POOR LEGIBILITY

PORTIONS OF THIS DOCUMENT MAY BE UNREADABLE, DUE TO THE QUALITY OF THE ORIGINAL

NUS CORPORATION
NORTH LAKE SQUARE OFFICE PARK
1726 MONTREAL CIRCLE
SUITE 20
TUCKER, GEORGIA 30084
(404) 938-7710

2618

C-586-9-5-56

September 27, 1985

Mr. Jon Johnston
Emergency and Remedial Response Branch
Air and Waste Management Division
Environmental Protection Agency
345 Courtland Street, N.E.
Atlanta, Georgia 30365

Subject: Canadys' Abandoned Drum Site

Dear Mr. Johnston:

Enclosed please find the Hazard Ranking System (HRS) scoring and documentation for the Canadys' Abandoned Drum Site as prepared by NUS Corporation. Following a careful review of the file, the final score as computed by the State was reduced from 30.7 to 20.2 for the following reasons:

1. The air release was considered invalid based on the following:

   (a) The HNU organic vapor detector probe was positioned approximately two inches from an opening in one of the drums, not in the breathing zone.

   (b) There is no documentation, other than verbal assurances from the State, that the instrument was calibrated.

   (c) There is no documentation of an upwind reading.

   (d) Remedial action has taken place, eliminating the prime source of the contaminants. However, no follow-up sampling was conducted to confirm the completeness of the removal.

2. Net precipitation was computed to be four inches, reducing its value in the ground water route characteristics score from two to one.

3. The distance to the nearest surface water was computed to be .7 mile rather than 25 feet because of the intermittent nature of the nearby stream; the route characteristics score was reduced accordingly from six to four.

Based on a final HRS score of 20.2, it is recommended that the Canadys' Abandoned Drum Site be eliminated from further consideration for the National Priorities List.

If you have questions or comments on how this site was scored, please contact me at (404) 938-7710.

Very truly yours,

Michael Profit
Environmental Health Scientist

MP/gwn

Enclosure

Narrative Summary
Canadys' Abandoned Drum Site

Canadys' Abandoned Drum Site is located on public property in a drainage ditch adjacent to State Highway 61, 3/4 mile west of State Highway 15 in Canadys, Colleton County, South Carolina.

The site is the location of the unauthorized dumping by unknown parties of four drums, apparently containing paint wastes. State officials inspected the site in July, 1984, and collected samples for laboratory analysis. Results of the analyses indicated the presence of toluene and benzene in the waste; and tetrachloroethane, chlorobenzene, and toluene in a soil sample collected near the drums.

An estimated 741 persons reside within a three mile radius of the site, utilizing private wells of unknown depths. No municipal supplies are available.

In August, 1984, SCA Services, contracted by the State, removed the drums and 4 to 5 cubic yards of contaminated surface soils.

Facility name: Canadys' Abandoned Drum Site

Location: Canadys, Colleton County, South Carolina

EPA Region: Region IV

Person(s) in charge of the facility: Site is public property, adjacent to State Highway 61

Name of Reviewer: Michael Profit **Date:** September 27, 1985

General description of the facility:

(For example: landfill, surface impoundment, pile, container; types of hazardous substances; location of the facility; contamination route of major concern; types of information needed for rating; agency action, etc.)

Canadys' Abandoned Drum Site is located on public property in a drainage ditch adjacent to State Highway 61, 3/4 mile west of State Highway 15 in Canadys, Colleton County, South Carolina.

The site is the location of the unauthorized dumping by unknown parties of four drums, apparently containing paint wastes. Laboratory analyses confirmed the presence of toluene, benzene, tetrachloroethane, and chlorobenzene in wastes and contaminated soils.

An estimated 741 persons reside within a three mile radius of the site, utilizing private wells of unknown depths. No municipal supplies are available.

On August 1, 1984, SCA Services, contracted by the State, removed the drums and 4 to 5 cubic yards of contaminated surface soils.

Score: $S_M = 20.23$ ($S_{gw} = 34.60$ $S_{sw} = 5.31$ $S_a = 0$)

S_{FE} = _____

S_{DC} = _____

GROUND WATER ROUTE WORK SHEET

	Rating Factor	Assigned Value (Circle One)	Multi-plier	Score	Max. Score	Ref. (Section)
1	Observed Release	(0) 45	1	0	45	3.1
	If observed release is given a score of 45, proceed to line 4. If observed release is given a score of 0, proceed to line 2.					
2	Route Characteristics					3.2
	Depth to Aquifer of Concern	0 1 2 (3)	2	6	6	
	Net Precipitation	0 (1) 2 3	1	1	3	
	Permeability of the Unsaturated Zone	0 1 (2) 3	1	2	3	
	Physical State	0 1 2 (3)	1	3	3	
	Total Route Characteristics Score			12	15	
3	Containment	0 1 2 (3)	1	3	3	3.3
4	Waste Characteristics					3.4
	Toxicity/Persistence	0 3 6 9 12 15 (18)	1	18	18	
	Hazardous Waste Quantity	0 (1) 2 3 4 5 6 7 8	1	1	8	
	Total Waste Characteristics Score			19	26	
5	Targets					3.5
	Ground Water Use	0 1 2 (3)	3	9	9	
	Distance to Nearest Well/Population Served	0 4 6 8 10 / 12 16 18 (20) / 24 30 32 35 40	1	20	40	
	Total Targets Score			29	49	
6	If line 1 is 45, multiply 1 x 4 x 5 If line 1 is 0, multiply 2 x 3 x 4 x 5			19836	57,330	
7	Divide line 6 by 57,330 and multiply by 100	S_{gw} = 34.60				

SURFACE WATER ROUTE WORK SHEET

	Rating Factor	Assigned Value (Circle One)	Multiplier	Score	Max. Score	Ref. (Section)
1	Observed Release	(0) 45	1	0	45	4.1
	If observed release is given a value of 45, proceed to line 4. If observed release is given a value of 0, proceed to line 2.					
2	Route Characteristics					4.2
	Facility Slope and Intervening Terrain	(0) 1 2 3	1	0	3	
	1-yr. 24-hr. Rainfall	0 1 2 (3)	1	3	3	
	Distance to Nearest Surface Water	0 1 (2) 3	2	4	6	
	Physical State	0 1 2 (3)	1	3	3	
	Total Route Characteristics Score			10	15	
3	Containment	0 1 2 (3)	1	3	3	4.3
4	Waste Characteristics					4.4
	Toxicity/Persistence	0 3 6 9 12 15 (18)	1	18	18	
	Hazardous Waste Quantity	0 (1) 2 3 4 5 6 7 8	1	1	8	
	Total Waste Characteristics Score			19	26	
5	Targets					4.5
	Surface Water Use	0 1 (2) 3	3	6	9	
	Distance to a Sensitive Environment	(0) 1 2 3	2	0	6	
	Population Served/Distance to Water Intake Downstream	(0) 4 6 8 10 12 16 18 20 24 30 32 35 40	1	0	40	
	Total Targets Score			6	55	
6	If line 1 is 45, multiply 1 x 4 x 5 If line 1 is 0, multiply 2 x 3 x 4 x 5			3420	64,350	
7	Divide line 6 by 64,350 and multiply by 100	S_{sw} = 5.31				

AIR ROUTE WORK SHEET

Rating Factor	Assigned Value (Circle One)	Multiplier	Score	Max. Score	Ref. (Section)
1 Observed Release	(0) 45	1	0	45	5.1
Date and Location:					
Sampling Protocol:					
If line 1 is 0, the S = 0. Enter on line 5. If line 1 is 45, then proceed to line 2.					
2 Waste Characteristics					5.2
Reactivity and Incompatibility	0 1 2 3	1		3	
Toxicity	0 1 2 3	3		9	
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1		8	
	Total Waste Characteristics Score			20	
3 Targets					5.3
Population Within 4-Mile Radius	0 9 12 15 18 21 24 27 30	1		30	
Distance to Sensitive Environment	0 1 2 3	2		6	
Land Use	0 1 2 3	1		3	
	Total Targets Score			39	
4 Multiply 1 x 2 x 3				35,100	
5 Divide line 4 by 35,100 and multiply by 100	S_a = 0				

	S	S^2
Groundwater Route Score (S_{gw})	34.60	1197.16
Surface Water Route Score (S_{sw})	5.31	28.20
Air Route Score (S_a)	0	0
$S_{gw}^2 + S_{sw}^2 + S_a^2$		1225.36
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		35.00
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73$		$S_M = 20.23$

WORKSHEET FOR COMPUTING S_M

FIRE AND EXPLOSION WORK SHEET

	Rating Factor	Assigned Value (Circle One)	Multiplier	Score	Max. Score	Ref. (Section)
1	Containment	1 3	1		3	7.1
2	Waste Characteristics					7.2
	Direct Evidence	0 3	1		3	
	Ignitability	0 1 2 3	1		3	
	Reactivity	0 1 2 3	1		3	
	Incompatibility	0 1 2 3	1		3	
	Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1		8	
	Total Waste Characteristics Score				20	
3	Targets					7.3
	Distance to Nearest Population	0 1 2 3 4 5	1		5	
	Distance to Nearest Building	0 1 2 3	1		3	
	Distance to Sensitive Environment	0 1 2 3	1		3	
	Land Use	0 1 2 3	1		3	
	Population Within 2-Mile Radius	0 1 2 3 4 5	1		5	
	Buildings Within 2-Mile Radius	0 1 2 3 4 5	1		5	
	Total Targets Score				24	
4	Multiply 1 x 2 x 3				1,440	
5	Divide line 4 by 1,440 and multiply by 100	S_{FE} =				

DIRECT CONTACT WORK SHEET

	Rating Factor	Assigned Value (Circle One)	Multi-plier	Score	Max. Score	Ref. (Section)
1	Observed Incident	0 45	1		45	8.1
	If line 1 is 45, proceed to line 4 If line 1 is 0, proceed to line 2					
2	Accessibility	0 1 2 3	1		3	8.2
3	Containment	0 15	1		15	8.3
4	Waste Characteristics Toxicity	0 1 2 3	5		15	8.4
5	Targets					8.5
	Population Within a 1-Mile Radius	0 1 2 3 4 5	4		20	
	Distance to a Critical Habitat	0 1 2 3	4		12	
	Total Targets Score				32	
6	If line 1 is 45, multiply 1 x 4 x 5 If line 1 is 0, multiply 2 x 3 x 4 x 5				21,600	
7	Divide line 6 by 21,600 and multiply by 100 S_{DC} =					

DOCUMENTATION RECORDS
FOR
HAZARD RANKING SYSTEM

INSTRUCTIONS: As briefly as possible summarize the information you used to assign the score for each factor (e.g., "Waste quantity = 4,230 drums plus 800 cubic yards of sludges"). The source of information should be provided for each entry and should be a bibliographic-type reference. Include the location of the document.

FACILITY NAME: Canadys' Abandoned Drum Site

LOCATION: Canadys, South Carolina

DATE SCORED: September 27, 1985

PERSON SCORING: Michael Profit

PRIMARY SOURCE(S) OF INFORMATION (e.g., EPA region, state, FIT, etc.):

EPA Region IV

FACTORS NOT SCORED DUE TO INSUFFICIENT INFORMATION:

None

COMMENTS OR QUALIFICATIONS:

GROUND WATER ROUTE

1 OBSERVED RELEASE

Contaminants detected (5 maximum):

None

Rationale for attributing the contaminants to the facility:

None

* * *

2 ROUTE CHARACTERISTICS

Depth to Aquifer of Concern Value 3; Score - 6

Name/description of aquifer(s) of concern:

The shallow aquifer extends from the surface for approximately 50 feet to the Cooper formation, a confining layer, which extends to approximately 200 feet, the top of the Limestone Aquifer.

Reference 1.

Depth(s) from the ground surface to the highest seasonal level of the saturated zone (water table(s)) of the aquifer(s) of concern:

10 feet.

Reference 2.

Depth from the ground surface to the lowest point of waste disposal/storage:

Wastes were located on the ground surface.

Reference 3.

Net Precipitation Score - 1

Mean annual or seasonal precipitation (list months for seasonal):

48 inches.

Reference 4.

Mean annual lake or seasonal evaporation (list months for seasonal):

44 inches.

Reference 4.

Net precipitation (subtract the above figures):

4 inches.

Permeability of Unsaturated Zone Score - 2

Soil type in unsaturated zone:

Fine to medium sands and silts with some clays.

References 1, 15.

Permeability associated with soil type:

10^{-3} 10^{-5} cm/sec; corresponds to an assigned value of 2.

Reference 5.

Physical State Score - 3

Physical state of substances at time of disposal (or at present time for generated gases):

Liquid.

Reference 3.

* * *

3 CONTAINMENT

Containment Score - 3

Method(s) of waste or leachate containment evaluated:

Containers (drums) leaking and no liners.

Reference 3.

Method with highest score:

Containers (drums) leaking and no liners

Reference 3.

4 WASTE CHARACTERISTICS

Toxicity and Persistence Toxicity Value - 3; Persistance Value - 3; Matrix Score - 18

Compound(s) evaluated:

Laboratory analyses of waste and soil samples collected by the State revealed the following compounds:

Benzene
Toluene
1,1,2,2-tetrachloroethane
chlorobenzene

Reference 6.

Compound with highest score:

1,1,2,2-tetrachloroethane

Reference 14.

Hazardous Waste Quantity Score - 1

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

4 drums

Reference 3.

Basis of estimating and/or computing waste quantity:

Site inspection 7/13/84

Reference 3.

5 TARGETS

Ground Water Use Value - 3; Score - 9

Use(s) of aquifer(s) of concern within a 3-mile radius of the facility:

Drinking

Reference 7.

Distance to Nearest Well Value - 4; Matrix Score - 20

Location of nearest well drawing from aquifer of concern or occupied building not served by a public water supply:

The nearest dwelling (not necessarily the nearest well) is located 0.18 mile northwest of the site. It is assumed to be occupied.

Reference 8.

Distance to above well or building:

0.18 mile.

Population Served by Ground Water Wells Within a 3-Mile Radius

Value - 2; Matrix Score - 20

Identify water-supply well(s) drawing from aquifer(s) of concern within a 3-mile radius and populations served by each:

Based on a house count using topographic maps, there are 195 dwellings within a three mile radius of the site. Assuming 3.8 persons per dwelling as specified in the Mitre Corporation Users' Manual, there are an estimated 741 persons residing within a three mile radius of the site.

References 5, 8, 9.

Computation of land area irrigated by supply well(s) drawing from aquifer(s) of concern within a 3-mile radius, and conversion to population (1.5 people per acre):

The groundwater is not used for irrigation purposes.

Reference 16.

Total population served by ground water within a 3-mile radius:

741

SURFACE WATER ROUTE

1 **OBSERVED RELEASE** Score - 0

Contaminants detected in surface water at the facility or downhill from it (5 maximum):

None

Rationale for attributing the contaminants to the facility:

None

* * *

2 ROUTE CHARACTERISTICS

Facility Slope and Intervening Terrain Score - 0

Average slope of facility in percent:

3%

Reference 8.

Name/description of nearest downslope surface water:

Edisto River

Reference 8.

Average slope of terrain between facility and above-cited surface water body in percent:

3%

Reference 8.

Is the facility located either totally or partially in surface water?

No

Reference 8.

Is the facility completely surrounded by areas of higher elevation?

No
Reference 8.

1-Year 24-Hour Rainfall in Inches Score - 3

3.5 inches

Reference 10.

Distance to Nearest Downslope Surface Water Value - 2; Score - 4

.7 mile

References 8, 9.

Physical State of Waste Score - 3

Liquid

Reference 3.

* * *

3 CONTAINMENT

Containment Score - 3

Method(s) of waste or leachate containment evaluated:

Containers (drums) leaking and no liners.

Reference 3.

Method with highest score:

Containers (drums) leaking and no liners.

Reference 3.

4 WASTE CHARACTERISTICS

Toxicity and Persistence

Toxicity Value - 3; Persistence Value - 3;
Matrix Score - 18

Compound(s) evaluated

Laboratory analyses of waste and soil samples collected by the State revealed the following compounds:

Benzene
Toluene
1,1,2,2-tetrachloroethane
chlorobenzene

Reference 6.

Compound with highest score:

1,1,2,2-tetrachloroethane

Reference 14.

Hazardous Waste Quantity Score - 1

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

4 drums

Reference 3.

Basis of estimating and/or computing waste quantity:

Site inspection 7/13/84

Reference 3.

* * *

5 TARGETS

Surface Water Use Value - 2; Score - 6

Use(s) of surface water within 3 miles downstream of the hazardous substance:

Edisto River actively used for recreational purposes.

Reference 13.

Is there tidal influence?

No

References 8, 9.

Distance to a Sensitive Environment Score - 0

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:

None identified

References 8, 9.

Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less:

None identified

References 8, 9.

Distance to critical habitat of an endangered species or national wildlife refuge, if 1 mile or less:

None identified

Reference 17.

Population Served by Surface Water

Distance to Water Intake; Value - 0; Matrix Score - 0

Location(s) of water-supply intake(s) within 3 miles (free-flowing bodies) or 1 mile (static water bodies) downstream of the hazardous substance and population served by each intake:

None
Reference 12.

Computation of land area irrigated by above-cited intake(s) and conversion to population (1.5 people per acre):

None

Reference 16.

Total population served:

There are no drinking water intakes within three miles downstream of the site.

Reference 12.

Name/description of nearest of above-cited water bodies:

Not applicable

Distance to above-cited intakes, measured in stream miles.

Not applicable

AIR ROUTE

1 OBSERVED RELEASE Score - 0

None

Contaminants detected:

Date and location of detection of contaminants

Methods used to detect the contaminants:

Rationale for attributing the contaminants to the site:

* * *

2 WASTE CHARACTERISTICS

Reactivity and Incompatibility

Most reactive compound:

Most incompatible pair of compounds:

Toxicity

Most toxic compound:

Hazardous Waste Quantity

Total quantity of hazardous waste:

Basis of estimating and/or computing waste quantity:

* * *

3 TARGETS

Population Within 4-Mile Radius

Circle radius used, give population, and indicate how determined:

Distance to a Sensitive Environment

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:

Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less:

Distance to critical habitat of an endangered species, if 1 mile or less:

Land Use

Distance to commercial/industrial area, if 1 mile or less:

Distance to national or state park, forest, or wildlife reserve, if 2 miles or less:

Distance to residential area, if 2 miles or less:

Distance to agricultural land in production within past 5 years, if 1 mile or less:

Distance to prime agricultural land in production within past 5 years, if 2 miles or less:

Is a historic or landmark site (National Register of Historic Places and National Natural Landmarks) within the view of the site?

NUS CORPORATION — *TELECON NOTE*

CONTROL NO:	DATE: 3 MP 9/8/85	TIME: 1115

DISTRIBUTION:

BETWEEN:	OF:	PHONE:
Don Duncan	S.C. DHEC, Dir. of Groundwater Prot. Div.	(803) 758-5213

AND: Mike Profit MP (NUS)

DISCUSSION:

Indicated that soils above the shallow aquifer are fine to medium sands and silts with some clays. Confirmed that groundwater table is less than 10 feet. Indicated that shallow aquifer extends to approximately 50 feet where it meets the Cooper formation, the confining layer. Cooper formation extends to approximately 200 feet, the top of the Limestone Aquifer.

ACTION ITEMS:

NUS CORPORATION *TELECON NOTE*

CONTROL NO:	DATE:	TIME:
	9/3/85	1045

DISTRIBUTION:

BETWEEN:	OF:	PHONE:
Kevin Meadows	S.C. Water Resources Comm.	(803) 758-2514

AND: Mike Profit MP (NUS)

DISCUSSION:

Responded to my question re depth to the shallow aquifer - less than 10 feet. Estimated the depth to the Cooper Marl (a confining layer) as approximately 100 feet and the depth to the top of the Santee Limestone (Floridan) Aquifer as approximately 200 feet. Also indicated that most new wells in the area are completed in the deeper aquifer. Only very oldest wells completed in the shallow. Referred me to S.C. Geological Survey re permeability of unsaturated zone.

ACTION ITEMS:

South Carolina Department of Health and Environmental Control

2600 Bull Street
Columbia, S.C. 29201

Commissioner
Robert S. Jackson, M.D.

MEMORANDUM

TO: Canady's Abandoned Drum Site File - Colleton County

FROM: Wilson C. Miles, Jr. WCM,Jr
Environmental Engineer
Bureau of Solid & Hazardous Waste Management

SUBJECT: Canady's Abandoned Drum Site Inspection - RCRA 3012 Program

DATE: July 19, 1984

On July 13, 1984 Charlie Strange, John Cresswell, and this writer, of the Central Office, met Gary Dukes and Fred Sanford of the Low Country District at the intersection of Highway 21 and Highway 61 at about 9:15 a.m. Gary Dukes, the district hazardous waste consultant proceeded to show us the site location.

Upon arrival at the site location, it became apparent that four drums containing an unknown material had been dumped in the ditch on the southern side of Highway 61, east of I-95 and west of Highway 15. At this time we decided to approach the site monitoring for both combustible gases and volatile organic vapors using the Combustible Gas Indicator/Oxygen Meter (CGI/02 meter) and the HNU.

Use of the CGI/02 meter yielded no deflection in either the atmosphere around the drums or in the space inside the drums. However, use of the HNU yielded a maximum of two (2) parts per million (ppm) in the area immediately around the drums and readings of up to five hundred (500) ppm inside the open drums using a spanpot setting of 2.5 (see attachment).

Use of the Drager tubes yielded a positive result in the benzene sensitive tube. The approximate measurement obtained from drum C was 10 ppm. It was during this time that Rick Tobin of the Walterboro weekly newspaper, Press & Standard, took photographs of the site inspection in progress.

After the initial monitoring was completed, sampling began to take place. One waste and two sediment samples were taken by this writer who was assisted by Charlie Strange.

Sample #1 (Can - 1) - waste sample from drum C
Sample #3 (Can - 3) - potentially contaminated sediment outside of drums A and D
Sample #2 (Can - 2) - background sample located off Highway 61 east of the site

Disposable trowels and scoops were used to put the sample into the containers. However, a glass drum thief was used to sample drum C. Disposable gloves were worn at all times during sampling and were changed between samples. Each sample was immediately placed on ice in a cooler.

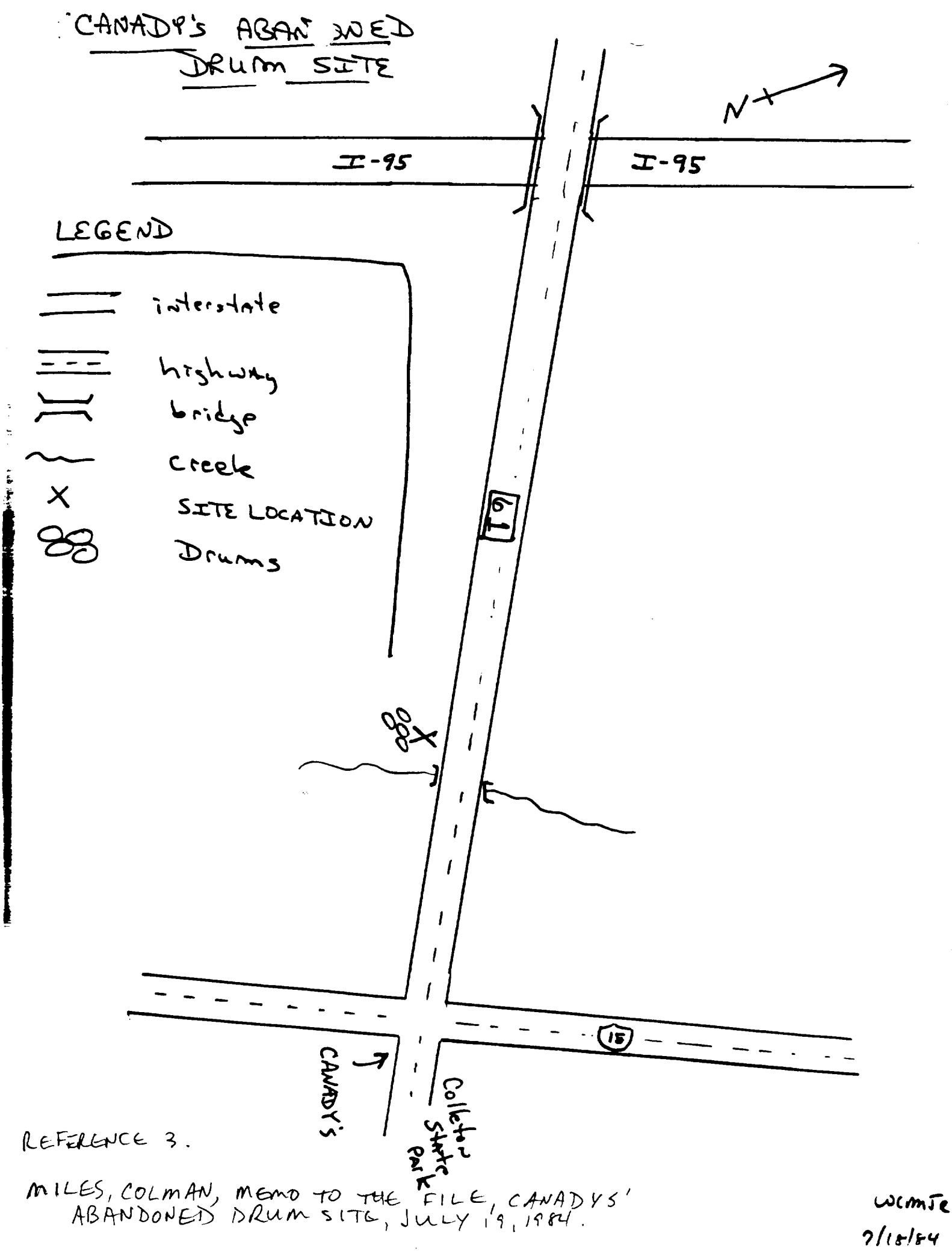
The sampling of this site was performed between 10:50 and 11:10 a.m. The weather conditions were clear, humid, with little breeze. The temperature was near 90 (degrees Fahrenheit).

During the sampling, a park ranger (Colleton State Park) stopped by as well as a local property owner.

After all sampling took place, the samples were turned in to the DHEC Laboratory at 4:50 p.m. on July 13, 1984. The laboratory custodian, John Wheeler, checked samples in, accepted custody of the samples, and signed the chain of custody form. The analysis run on all samples are flashpoint, pH, metals (As, Ba, Cd, Cr, Pb, Mn, Hg, Ni, Se, Ag), volatile organics and acid-base-neutral extractables. The samples were held for E.P.

WCM:bes

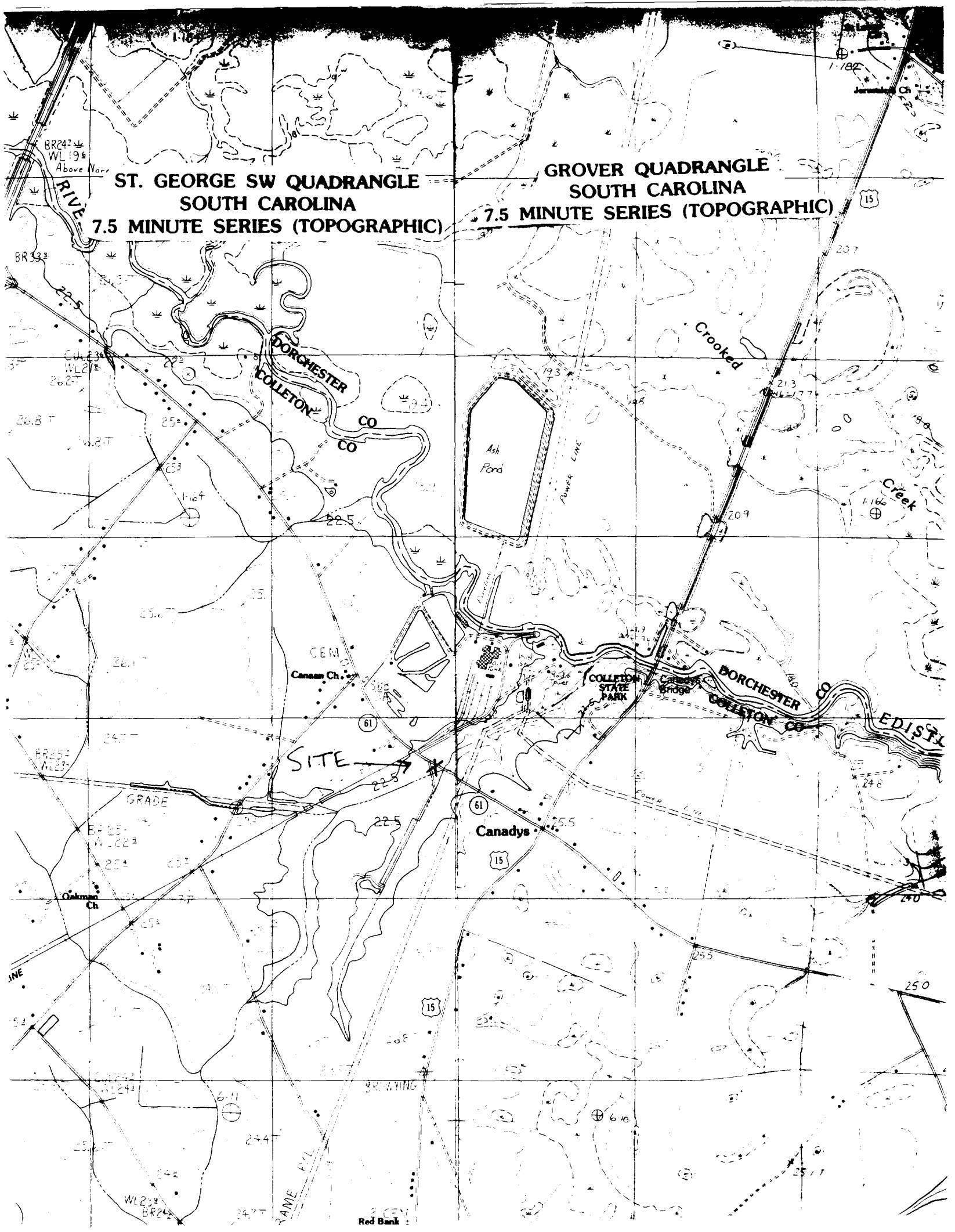
cc: Gary Dukes, Low Country District
Bob Sentelle



REFERENCE 3.

MILES, COLMAN, MEMO TO THE FILE, CANADYS' ABANDONED DRUM SITE, JULY 19, 1984.

WCM3E
7/18/84


ST. GEORGE SW QUADRANGLE
SOUTH CAROLINA
7.5 MINUTE SERIES (TOPOGRAPHIC)
GROVER QUADRANGLE
SOUTH CAROLINA
7.5 MINUTE SERIES (TOPOGRAPHIC)
DORCHESTER CO
COLLETON CO
Ash Pond
Crooked Creek
Canaan Ch.
COLLETON STATE PARK
Canadys Bridge
SITE
GRADE
Canadys
Oakman Ch
Red Bank
61
15

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Environmental Quality Control
Analytical Services Data Sheet for Solid Waste and Hydrology

Sample Location Canady's Site County Colleton
Sample Type grab Comments Hold for E.P.
Date 7-13-84 Collected by Coleman Miles + Charles Strange
An "X" in the small column indicates test requested

Time Collected (Milit.)								
Sample Point	CAN-1	CAN-2	CAN-3		CAN-1	CAN-2	CA
Lab No.	10:50	11:05	11:10		10:50	11:05	11:
NH_3-N, mg/l				Calcium			
NO_3/NO_2-N, mg/l				Magnesium			
TKN				Sodium			
Nitrite, N, mg/l				Potassium			
T-P,				Arsenic	X **	X *	X *
Hardness, mg/l				Barium	X **	X	X
Cl, mg/l				Cadmium	X **	X	X
SO_4 mg/l				Chromium	X **	X	X
Flashpoint, °F	X [illegible]	X 115	X 120	Copper			
Solids, Total, mg/l				Iron			
Solids, Tot. Diss, mg/l				Lead	X **	X	X
Solids, %				Manganese	X **	X	X
pH	X [illegible]	X [illegible]	X [illegible]	Mercury	X **	X	X
Alkalinity mg/l				Nickel	X **	X	X
Fluoride, mg/l				Selenium	X **	X	X
TOC				Silver	X **	X	X
Phenols, µg/l				Zinc			
COD							
Cyanide, mg/l							
MBAS, mg/l				Remarks:			

*Unable to analyze due to low flashpoint

**Results to be released at a later dat

Date Received in Regional Laboratory _____ by _____
Date Released from Regional Laboratory _____ by _____
Date Received in Central Laboratory _____ by _____
Date Released from Spec & A. A. Section _____ by _____
Date Released from Metals Section 7/30/84 by AM Thompson

DHEC 40-89 (01/81) White - Program; Yellow - Program; Pink - Program; Gold - Lab

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Environmental Quality Control
Analytical Services Data Sheet for Solid Waste and Hydrology

Sample Location CANADY'S SITE County COLLETON

Sample Type GRAB Comments HOLD FOR EP

Date 7/13/84 Collected by COLEMAN MILES & CHARLES STRANGE

An "X" in the small column indicates test requested

Time Collected (Milit.)									
Sample Point						CAN-1			
Lab No.						SW 19			
NH_3-N, mg/l				Calcium					
NO_3/NO_2-N, mg/l				Magnesium					
TKN				Sodium					
Nitrite, N, mg/l				Potassium					
T-P,				Arsenic	x	*			
Hardness, mg/l				Barium	x				
Cl, mg/l				Cadmium	x				
SO_4 mg/l				Chromium	x				
Flashpoint, °F	90°F			Copper					
Solids, Total, mg/l				Iron					
Solids, Tot. Diss, mg/l				Lead	x				
Solids, %				Manganese	x				
pH				Mercury	x				
Alkalinity mg/l				Nickel	x				
Fluoride, mg/l				Selenium	x				
TOC				Silver	x				
Phenols, µg/l				Zinc					
COD									
Cyanide, mg/l									
MBAS, mg/l				Remarks: * Could not be analyzed due to low flashpoint					

Date Received in Regional Laboratory _____ by _____

Date Released from Regional Laboratory _____ by _____

Date Received in Central Laboratory XXXXX 07/13/84 by JDW

Date Released from Spec & A. A. Section _____ by _____

Date Released from Metals Section 8/14/84 by [illegible]

DHEC 40-89 (01/81) White - Program; Yellow - Program; Pink - Program; Gold - Lab

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Environmental Quality Control
Analytical Services Data Sheet for Organic Compounds in Solid Waste and Hydrology Samples

Sample Location Cgnady's Site County Colleton

Sample Type grab Comments

Date 7-13-84 Collected By Coleman Miles + Charles Strange

An "X" in the small column indicates test requested.

Time Collected (Milit.)		19	20	21
Station No.		CAN-1	CAN-2	CAN-3
Lab. No.		10:50	11:05	11:10
Chlorinated hydrocarbons, µg/l				
Endrin, mg/l				
Lindane, mg/l				
Methoxychlor, mg/l				
Toxaphene, mg/l				
Organophosphates, µg/l				
PCBs, µg/l				
Other				
Volatile organics	X	***	**	**
Acid Base/Neutral Extractables	X	@	SEE ATTACHED	SEE ATTACHED

Comments **Results reported 08/13/84.

***Results reported 09/26/84.

@ Results reported 11/15/84.

Date Received in Regional Laboratory _____ By _____

Date Released from Regional Laboratory _____ By _____

Date Received in Central Laboratory _____ By _____

Date Released from Organic Section 11/30/84 By [illegible]

White--Program; Yellow--Program; Pink--Lab; Gold--Program

DHEC 40-90 (09/81)

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
ANALYTICAL SERVICES DIVISION

REPORT OF ORGANIC ANALYSIS

Sample Location: CANADY'S SITE

Sample Type: WASTE

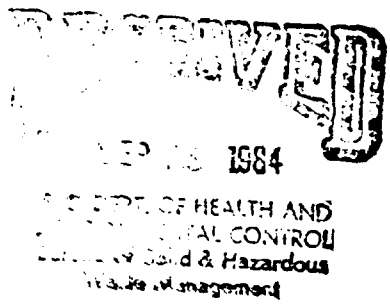
Date of Collection: 07/13/84

Collected by: COLEMAN/MILES

Sample Number: SW 19

VOLATILE ORGANICS:

1)	benzene	5.4 mg/kg
2)	toluene	90.2 mg/kg
3)	5-methyl-1H-tetraazole	
4)	methyl cyclopentane	
5)	1,1-dimethyl cyclopentane	
6)	(chloromethyl) benzene	
7)	bicyclo\2.2.2\octane	
8)	cis-octahydro-pentalene	
9)	cis-1,2-dimethyl-cyclohexane	
10)	1-propyl spiropentane	
11)	2-octyne	
12)	ethyl cyclohexane	
13)	tricyclo\3.3.1.13,7\decane	
14)	cis-1,3-dimethyl-cyclohexane	
15)	1,1,3-trimethyl cyclohexane	
16)	1-methyl-octahydro-pentalene	
17)	1,3,5-trimethyl-(1.alpha., 3.alpha., 5 alpha.)-cyclohexane	
18)	1.2.3-trimethyl cyclohexane	
19)	propyl ester/cyanic acid	
20)	benzene carbothioic acid	



Reported by _____ Date _____

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
ANALYTICAL SERVICES DIVISION

REPORT OF ORGANIC ANALYSIS

Sample Location: CANADY'S SITE

Sample Type: SEDIMENT

Date of Collection: JULY 13, 1984

Collected by: MILES STRANGE

Sample Number: SW 20, SW 21

SW 20 -- VOLATILE ORGANICS:	1) toluene	21.6 µg/kg
	2) 1,1,2,2-tetrachloroethane	26.5 µg/kg
	3) 3-chloro-1-propene	
	4) 1-(2-propenyloxy)-heptane	
	5) 1,3-dimethyl-benzene	

SW 21 -- VOLATILE ORGANICS:	1) 1,1,2,2-tetrachloroethane	51.9 µg/kg
	2) toluene	36.9 µg/kg
	3) chlorobenzene	55.0 µg/kg
	4) 5-methyl-1H-tetrazole	
	5) methyl-cyclohexane	
	6) Bicyclo\3.2.1\octane	
	7) cis-octahydro-pentalene	
	8) 1,1-dimethyl-cyclohexane	
	9) 2,4-dimethyl-3-pentanone	
	10) cis-1,2-dimethyl-cyclohexane	
	11) 2-octyne	
	12) ethyl-cyclohexane	
	13) 1,1'-ethylidene bis-cyclopentane	
	14) 2,3,4,5,6,7-hexahydro-1H-inden-1-one	
	15) 1,1,3-trimethyl-cyclohexane	
	16) cis-octahydro-1H-indene	
	17) (1.α.,3.α.,5.α)-1,3,5-trimethyl-cyclohexane	
	18) cyanicacid, propylester	

Reported by [signature] Date 8/13/84

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
ANALYTICAL SERVICES DIVISION

REPORT OF ORGANIC ANALYSIS

Sample Location: CANADY'S SITE

Sample Type: GRAB

Date of Collection: JULY 13, 1984

Collected by: MILES & STRANGE

Sample Number: SW 19

BASE-NEUTRAL/ACID EXTRACTABLES:

(1) 2,3-dimethyl-cyclobutane
(2) 1-bromo-4-methyl-cyclohexane
(3) 2,4-dimethyl hexane
(4) trans-1-methyl-2-(2-propenyl)cyclopentane
(5) 2,2,3,3-tetramethyl pentane
(6) propyl cyclohexane
(7) 2,6-dimethyl-octane
(8) 4-(1-methyl ethyl)-heptane
(9) 3-ethyl-2-methyl-heptane
(10) 1-ethyl-2-methyl-benzene
(11) 2,3,4,5-tetrahydropyridine
(12) 1,2,3-trimethyl benzene
(13) 5-ethyl-2-methyl-heptane
(14) 2-bromo-octane
(15) alpha-methyl-benzene acetaldehyde
(16) trans-decahydro-naphthalene
(17) 1-methyl-2-(1-methylethyl)-benzene
(18) 1-bromo-4-methyl-cyclohexane
(19) 2,2,3,3-tetramethyl hexane
(20) 2-methyl-undecane
(21) 3-bromo-decane
(22) tridecane
(23) 4-ethyl-5-methyl-thiazole
(24) 2-methyl-butylester-propanoic acid
(25) undecane
(26) 2,3-dihydro-3-methyl-1H-iden-1-one
(27) decahydro-1,1,7-trimethyl-4-methylene-1AR-(1H-cycloprop)-E-azulene
(28) methylester, 2-5-octadecadiynoicacid
(29) 2-methyl-3,5-dodecadiyne
(30) 1-(1,1-dimethyl ethyl)-3-methyl-benzene

Reported by R. Williams Date 11/15/84

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
ANALYTICAL SERVICES DIVISION

REPORT OF ORGANIC ANALYSIS

Sample Location: CANADY'S SITE

Sample Type: GRAB

Date of Collection: 07/13/84

Collected by: MILES & STRANGE

Sample Number: SW 20, SW 21

SW 20 -- BASE NEUTRAL/ACID EXTRACTABLES:

(1) 3,5-bis(1,1-dimethylethyl)-phenol
(2) 2-methyl-1-(1-dimethylethyl)-2-methyl-1,3-propan-propanoic acid
(3) N,N-diphenyl-hydrazinecarboxamide
(4) 5,7-dimethyl-undecane

SW 21 -- BASE NEUTRAL/ACID EXTRACTABLES:

(1) 2-propyl-1-heptanol
(2) 3,5-dimethyl-octane
(3) 4-methyl-2-propyl-1-pentanol
(4) O-decyl-hydroxylamine
(5) 2-methyl-nonane
(6) 3-methyl-nonane
(7) 2-methyl-4-(2-methyl propyl)-cyclopentanone
(8) decane
(9) 5-ethyl-2-methyl-heptane
(10) 4-methyl-5-propyl-nonane
(11) 2-methyl-decane
(12) 5-(1-methyl propyl)-nonane
(13) 2-propyl-1-heptanol
(14) heptyl hexyl ether
(15) decahydro-2-methyl-napthalene
(16) (4-methylpentyl)-cyclohexane

Reported by C. Williams

Date 11/20/84

NUS CORPORATION *TELECON NOTE*

CONTROL NO:	DATE:	TIME:
	8/26/85	1045

DISTRIBUTION:

BETWEEN:	OF:	PHONE:
Colman Miles	SCDHEC	(803) 758-5681

AND: Mike Profit MP **(NUS)**

DISCUSSION:

Discussed documentation of air release for Canadys' Drum Disposal area.

Documentation of release is contained in memo to the file dated July 19, 1984, attached to SI form. No documentation of calibrationof HNU (although he says it was done). No indication of wind direction. Reading of 2 ppm was detected " a couple of inches" from drum orifice.

ACTION ITEMS:

NUS CORPORATION — *TELECON NOTE*

CONTROL NO:	DATE:	TIME:
	9/13/85	1600

DISTRIBUTION:

BETWEEN:	OF:	PHONE:
Pam Garnsie, Admin. Spec. A, Environmental Sanitation	Colleton ~~City~~ County Health Dept.	(803) 549-1516

AND: Mike Profit MP (NUS)

DISCUSSION:

Discussed water supply in Canadys area. Confirmed for me that all residents in a three mile radius of the Canadys Drum Disposal area are on private wells, depth unknown.

ACTION ITEMS:

NUS 067 REVISED 0581

NUS CORPORATION *TELECON NOTE*

CONTROL NO:	DATE:	TIME:
	8/28/85	0930

DISTRIBUTION:

BETWEEN:	OF:	PHONE:
John Steely	S.C. Wildlife & Marine Resources Dept. (Wildlife biologist in Non-game Endangered Species Div.)	(803) 758-0007
AND: Mike Profit		(NUS)

DISCUSSION:

Confirmed that there are no officially designated critical habitats for endangered species in all of South Carolina.

ACTION ITEMS:

State of South Carolina
Water Resources Commission

Alfred H. Vang
Executive Director

September 9, 1985

Mike Profit
NUS corporation
1726 Montreal Circle
Suite 20
Tucker, Georgia 30084

Dear Mr. Profit:

This letter is in response to your telephone request for information on specific ground water and surface water users. The area of interest centers near the Canady's area of Colleton County, on the south bank of the Edisto River, centered at Latitude 33° 03' 31½" and Longitude 80° 37' 39.6", extending out in a 3-mile radius. The area of interest ranged roughly from 33° 01' 00"/80° 34' 40' to 33° 06' 30"/80° 40' 39".

Most of the area of interest lies within the Edisto River basin except for the southern sector which covers the upper drainage of Ireland Creek, which confluences with the Ashepoo River.

The only major water user, those using more than 100,000 gallons per day, located within the area of interest is the SCE&G Canady's thermoelectric power generation station, located at 33° 03' 50"/80° 37' 20". It has two surface water withdrawal pump systems together capable of withdrawing of 184.2 million gallons per day, maximum. The water is returned to the river near by. Average usage is 130. million gallons per day in 1984. SCE&G also has a 6" well, 375' deep, used for potable water supply, located at 33° 03' 50'/80° 37' 12". The well is open hole from 102' to 375' in the Floridan aquifer. Usage is unknown

One other well is located in the area of interest, near Round-O, at 33° 02' 49"/80° 34' 50". This is a 6" well, used for stock and domestic supplies, of unknown depth, with a 1½ hp deep water jet pump.

Our files show no other ground or surface water sources in the area of concern. If you have any further questions do not hesitate to contact me.

Sincerely,

Joe Harrigan

Joe Harrigan
Ground Water Geologists

JH/vla

SEP 13 1985

P.O. Box 4440 / 3830 Forest Drive / Columbia, S.C. 29240 / (803) 758-2514

United States Department of Agriculture

Soil Conservation Service

In Cooperation with the South Carolina Agricultural Experiment Station and the South Carolina Land Resources Conservation Commission

Soil Survey of Colleton County South Carolina

NUS CORPORATION *TELECON NOTE*

CONTROL NO:	DATE:	TIME:
	9/24/85	1400

DISTRIBUTION:

BETWEEN:	OF:	PHONE:
Leon Langley, Jr.	Clemson University Extension Agricultural Economist	(803) 549-5595

AND: Mike Profit (NUS)

DISCUSSION:

Discussed ground and surface water use in the Canadys area. To the best of his knowledge, no one within a three mile radius of the Canadys Abandoned Drum Site uses groundwater or surface water for irrigation purposes.

ACTION ITEMS:

References

1. Duncan, Don, South Carolina Department of Health and Environmental Control, personal communication, September 3, 1985.

2. Meadows, Kevin, South Carolina Water Resources Commission, personal communication, September 3, 1985.

3. Miles, Wilson C., Jr., memo to the file, Canadys' Abandoned Drum Site, July 19, 1984.

4. Climatic Atlas of U.S., 1979. U.S. Department of Commerce, National Climatic Center, Ashville, North Carolina.

5. Uncontrolled Hazardous Waste Site Ranking System - A Users Manual, Mitre Corporation, McLean, Virginia, prepared for the U.S. Environmental Protection Agency, August, 1982.

6. South Carolina Department of Health and Environmental Control, Analytical Services Division, attachment to the file, Canadys' Abandoned Drum Site.

7. Garnsie, Pam, Colleton County Health Department, personal communication, September 13, 1985.

8. U.S. Geologic Survey, St. George Quadrangle, 7.5 minute series, South Carolina, 1982.

9. U.S. Geologic Survey, Grover Quadrangle, 7.5 minute series, South Carolina, 1982.

10. Rainfall Frequency Atlas of the U.S., 1940. Technical Paper No. 40, U.S. Department of Commerce, U.S. Government Printing Office, Washington, D.C.

11. Steely, John, South Carolina Wildlife and Marine Resources Department, Non-game Endangered Species Division, personal communication, August 28, 1984.

12. Harrrigan, Joe, South Carolina Water Resources Commission, personal communication, September 9, 1985.

13. Langley, Leon H., Extension Agricultural Economist, Clemson University, personal communication, September 19, 1985.

14. Sax, N.I. Dangerous properties of industrial materials. Van Nostrand Reinhold Company. Sixth Edition.

15. U.S. Department of Agriculture, Soil Survey of Colleton County, South Carolina, p. 17, December, 1982.

16. Langley, Leon H., Extension Agricultural Economist, Clemson University, personal communication, September 24, 1985.

17. U.S. Department of the Interior, Fish and Wildlife Service, Endangered and Threatened Wildlife and Plants, August 23, 1985.

M.2 - SITE MAINTENANCE FORM

ACTION: _

EPA ID : SCD980840631

SITE NAME: CANADY'S ABANDONED DRUM SITE SOURCE: R

STREET : JCT US HWY 15 & SC HWY 61 CONG DIST: 01

CITY : CANADY ZIP: 29433

CNTY NAME: COLLETON CNTY CODE : 029

LATITUDE : 33/03/24.0 LONGITUDE : 080/37/12.0

LL-SOURCE: R LL-ACCURACY:

SMSA : HYDRO UNIT: 03050205

INVENTORY IND: Y REMEDIAL IND: Y REMOVAL IND: Y FED FAC IND: N

NPL IND: N NPL LISTING DATE: NPL DELISTING DATE:

SITE/SPILL IDS:

RPM NAME: RPM PHONE: - -

SITE CLASSIFICATION: SITE APPROACH:

DIOXIN TIER: REG FLD1: REG FLD2:

RESP TERM: PENDING ( ) NO FURTHER ACTION ( )

PENDING (_) NO FURTHER ACTION (_)

ENF DISP: NO VIABLE RESP PARTY ( ) VOLUNTARY RESPONSE ( )
ENFORCED RESPONSE ( ) COST RECOVERY ( )

SITE DESCRIPTION:

ABANDONED DRUMS ALONG HIGHWAY.

M.2 - PROGRAM MAINTENANCE FORM

* ACTION: _ *

SITE: CANADY'S ABANDONED DRUM SITE

EPA ID: SCD980840631 PROGRAM CODE: H01 PROGRAM TYPE: * _ *

PROGRAM QUALIFIER: ALIAS LINK : * ___ __ *

PROGRAM NAME: SITE EVALUATION * _____ *

DESCRIPTION:

* _____ *

* _____ *

* _____ *

* _____ *

M.2 - EVENT MAINTENANCE FORM

* ACTION: _ *

SITE: CANADY'S ABANDONED DRUM SITE
PROGRAM: SITE EVALUATION

EPA ID: SCD980840631 PROGRAM CODE: H01 EVENT TYPE: DS1

FMS CODE: EVENT QUALIFIER : EVENT LEAD: E * _ ___ _ *

EVENT NAME: DISCOVERY STATUS: * _____ _ *

DESCRIPTION:

* _____ *
* _____ *
* _____ *
* _____ *

	ORIGINAL	CURRENT	ACTUAL			
START:		START:	START:	* __/__/__	__/__/__	__/__/__ *
COMP :		COMP :	COMP : 07/01/84	* __/__/__	__/__/__	__/__/__ *

HQ COMMENT:

* _____ *

RG COMMENT:

* _____ *

COOP AGR #	AMENDMENT #	STATUS	STATE %				
			0	* _____	_____	__	___ *

M.2 - EVENT MAINTENANCE FORM

* ACTION: _ *

SITE: CANADY'S ABANDONED DRUM SITE
PROGRAM: SITE EVALUATION

EPA ID: SCD980840631 PROGRAM CODE: H01 EVENT TYPE: PA1

FMS CODE: EVENT QUALIFIER : EVENT LEAD: S * _ ___ _ *

EVENT NAME: PRELIMINARY ASSESSMENT STATUS: * _____ _ *

DESCRIPTION:

* _____ *
* _____ *
* _____ *
* _____ *

ORIGINAL	CURRENT	ACTUAL			
START:	START:	START: 01/01/85	* __/__/__	__/__/__	__/__/__ *
COMP :	COMP :	COMP : 01/01/85	* __/__/__	__/__/__	__/__/__ *

HQ COMMENT:

* _____ *

RG COMMENT:

* _____ *

COOP AGR #	AMENDMENT #	STATUS	STATE %				
			0	* _____	_____	__	___ *

M.2 - EVENT MAINTENANCE FORM

* ACTION: _ *

SITE: CANADY'S ABANDONED DRUM SITE
PROGRAM: SITE EVALUATION

EPA ID: SCD980840631 PROGRAM CODE: H01 EVENT TYPE: SI1

FMS CODE: EVENT QUALIFIER : EVENT LEAD: S * _ ___ _ *

EVENT NAME: SITE INSPECTION STATUS: * _____ _ *

DESCRIPTION:

* _____ *
* _____ *
* _____ *
* _____ *

ORIGINAL	CURRENT	ACTUAL			
START:	START:	START: 01/01/85	* __/__/__	__/__/__	__/__/__ *
COMP :	COMP :	COMP : 01/01/85	* __/__/__	__/__/__	__/__/__ *

HQ COMMENT:

* _____ *

RG COMMENT:

* _____ *

COOP AGR #	AMENDMENT #	STATUS	STATE %				
			0	* _____	_____	__	___ *

M.2 - COMMENT MAINTENANCE FORM

SITE: CANADY'S ABANDONED DRUM SITE

EPA ID: SCD980840631

COM NO	COMMENT	ACTION	
001	SITE IS 1 MILE WEST OF JCT/SOUTHSID	_	
	E OF HWY 61.		
002	SITE IS 1 MILE WEST OF INTERSECTION	_	
	OF US 15 AND SC HWY 61, ON		
003	SOUTHSIDE OF SC HWY 61.	_	

NUS CORPORATION — **TELECON NOTE**

CONTROL NO:	DATE:	TIME:
	8-16-85	1100

DISTRIBUTION:

BETWEEN:	OF:	PHONE:
Pam Garsie	Colleton County Health Dept	(803) 549-1516

AND: Michal Profit (NUS)

DISCUSSION:

According to her, all people on vicinity of Canadys are on private wells. No surface water use to her knowledge

ACTION ITEMS:

Facility name: CANADY'S ABANDONED DRUMSITE

Location: COLLETON COUNTY

EPA Region: IV

Person(s) in charge of the facility: exist on public highway shoulder

Name of Reviewer: Wilson C. Miles Jr Date: 1/28/85

General description of the facility:

(For example: landfill, surface impoundment, pile, container; types of hazardous substances; location of the facility; contamination route of major concern; types of information needed for rating; agency action, etc.)

Four drums exist on the side of the road west of the Canady's intersection on highway 61 Illegal dumping of waste. Waste contains volatiles with low flashpoints Site was partially cleaned up on 8/1/84 by state Superfund but there may still exist some contaminated soils

CSS 30.4 CSS 12.7

Scores: S_M = 29.7 (S_{gw} = 37.5 S_{sw} = 6.4 S_a = 34.6)

S_{FE} = 19.0

S_{DC} = 25.0

FIGURE 1
HRS COVER SHEET

Quality Assurance Check by: Charles Strange, Feb. 6, 1985

Ground Water Route Work Sheet					
Rating Factor	Assigned Value (Circle One)	Multi-plier	Score	Max. Score	Ref. (Section)
[1] Observed Release	0 45	1	0	45	3.1
If observed release is given a score of 45, proceed to line [4]. If observed release is given a score of 0, proceed to line [2].					
[2] Route Characteristics					3.2
Depth to Aquifer of Concern	0 1 2 (3)	2	6	6	
Net Precipitation	0 1 (2) 3	1	2	3	
Permeability of the Unsaturated Zone	0 1 (2) 3	1	2	3	
Physical State	0 1 2 (3)	1	3	3	
Total Route Characteristics Score			13	15	
[3] Containment	0 1 2 (3)	1	3	3	3.3
[4] Waste Characteristics					3.4
Toxicity/Persistence	0 3 6 9 12 15 (18)	1	18	18	
Hazardous Waste Quantity	0 (1) 2 3 4 5 6 7 8	1	1	8	
Total Waste Characteristics Score			19	26	
[5] Targets					3.5
Ground Water Use	0 1 2 (3)	3	9	9	
Distance to Nearest Well/Population Served	0 4 6 8 10 / 12 16 18 (20) / 24 30 32 35 40	1	20	40	
Total Targets Score			29	49	
[6] If line [1] is 45, multiply [1] x [4] x [5]. If line [1] is 0, multiply [2] x [3] x [4] x [5]			21,460	57,330	
[7] Divide line [6] by 57,330 and multiply by 100		S_{gw} =	37.5		

FIGURE 2
GROUND WATER ROUTE WORK SHEET

Surface Water Route Work Sheet						
Rating Factor	Assigned Value (Circle One)		Multi-plier	Score	Max. Score	Ref. (Section)
1 Observed Release	0	45	1	0	45	4.1
If observed release is given a value of 45, proceed to line 4. If observed release is given a value of 0, proceed to line 2.						
2 Route Characteristics						4.2
Facility Slope and Intervening Terrain	(0) 1 2 3		1	0	3	
1-yr. 24-hr. Rainfall	0 1 2 (3)		1	3	3	
Distance to Nearest Surface Water	0 1 2 (3)		2	6	6	
Physical State	0 1 2 (3)		1	3	3	
Total Route Characteristics Score				12	15	
3 Containment	0 1 2 (3)		1	3	3	4.3
4 Waste Characteristics						4.4
Toxicity/Persistence	0 3 6 9 12 15 (18)		1	18	18	
Hazardous Waste Quantity	0 (1) 2 3 4 5 6 7 8		1	1	8	
Total Waste Characteristics Score				19	26	
5 Targets						4.5
Surface Water Use	0 1 (2) 3		3	6	9	
Distance to a Sensitive Environment	(0) 1 2 3		2	0	6	
Population Served/Distance to Water Intake Downstream	(0) 4 6 8 10 12 16 18 20 24 30 32 35 40		1	0	40	
Total Targets Score				6	55	
6 If line 1 is 45, multiply 1 x 4 x 5 If line 1 is 0, multiply 2 x 3 x 4 x 5				4104	64,350	
7 Divide line 6 by 64,350 and multiply by 100			S_{SW} =	6.4		

FIGURE 7
SURFACE WATER ROUTE WORK SHEET

Air Route Work Sheet					
Rating Factor	Assigned Value (Circle One)	Multi-plier	Score	Max. Score	Ref. (Section)
[1] Observed Release	0 (45)	1	45	45	5.1
Date and Location:	7/13/84 west of Canadys on Highway 61				
Sampling Protocol:					
If line [1] is 0, the S_a = 0. Enter on line [5]. If line [1] is 45, then proceed to line [2].					
[2] Waste Characteristics					5.2
Reactivity and Incompatibility	(0) 1 2 3	1	0	3	
Toxicity	0 1 2 (3)	3	9	9	
Hazardous Waste Quantity	0 (1) 2 3 4 5 6 7 8	1	1	8	
	Total Waste Characteristics Score		10	20	
[3] Targets					5.3
Population Within 4-Mile Radius	0 9 12 15 (18) 21 24 27 30	1	18	30	
Distance to Sensitive Environment	0 1 2 (3)	2	6	6	
Land Use	0 1 2 (3)	1	3	3	
	Total Targets Score		27	39	
[4] Multiply [1] x [2] x [3]			12150	35,100	
[5] Divide line [4] by 35,100 and multiply by 100		S_a = 34.6			

FIGURE 9
AIR ROUTE WORK SHEET

	S	S^2	
Groundwater Route Score (S_{gw})	37.5	1405.0	
Surface Water Route Score (S_{sw}) 12.7 CSS	6.4	40.7	162.7 CSS
Air Route Score (S_a)	34.6	1198.2	
$S_{gw}^2 + S_{sw}^2 + S_a^2$		2643.9	2765.9 CSS
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		51.4	CSS 52.6
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73 = S_M =$		29.7	CSS 30.4

FIGURE 10
WORKSHEET FOR COMPUTING S_M

Fire and Explosion Work Sheet						
Rating Factor	Assigned Value (Circle One)		Multi-plier	Score	Max. Score	Ref. (Section)
1 Containment	1 (3)		1	3	3	7.1
2 Waste Characteristics						7.2
Direct Evidence	0 (3)		1	3	3	
Ignitability	0 1 2 (3)		1	3	3	
Reactivity	(0) 1 2 3		1	0	3	
Incompatibility	(0) 1 2 3		1	0	3	
Hazardous Waste Quantity	0 (1) 2 3 4 5 6 7 8		1	1	8	
Total Waste Characteristics Score				7	20	
3 Targets						7.3
Distance to Nearest Population	0 1 (2) 3 4 5		1	2	5	
Distance to Nearest Building	0 (1) 2 3		1	1	3	
Distance to Sensitive Environment	0 1 2 (3)		1	3	3	
Land Use	0 1 2 (3)		1	3	3	
Population Within 2-Mile Radius	0 1 (2) 3 4 5		1	2	5	
Buildings Within 2-Mile Radius	0 1 (2) 3 4 5		1	2	5	
Total Targets Score				13	24	
4 Multiply 1 x 2 x 3				273	1,440	
5 Divide line 4 by 1,440 and multiply by 100			S_{FE} =	19.0		

FIGURE 11
FIRE AND EXPLOSION WORK SHEET

Direct Contact Work Sheet					
Rating Factor	Assigned Value (Circle One)	Multi-plier	Score	Max. Score	Ref. (Section)
1 Observed Incident	(0) 45	1	0	45	8.1
If line 1 is 45, proceed to line 4 If line 1 is 0, proceed to line 2					
2 Accessibility	0 1 2 (3)	1	3	3	8.2
3 Containment	0 (15)	1	15	15	8.3
4 Waste Characteristics Toxicity	0 1 2 (3)	5	15	15	8.4
5 Targets					8.5
Population Within a 1-Mile Radius	0 1 (2) 3 4 5	4	8	20	
Distance to a Critical Habitat	(0) 1 2 3	4	0	12	
Total Targets Score			8	32	
6 If line 1 is 45, multiply 1 x 4 x 5 If line 1 is 0, multiply 2 x 3 x 4 x 5			5400	21,600	
7 Divide line 6 by 21,600 and multiply by 100		S_{DC} =	25.0		

FIGURE 12
DIRECT CONTACT WORK SHEET

QUALITY ASSURANCE SUMMARY SHEET

SOUTH CAROLINA PRIORITIES LIST

Site Name: Canady's Abandoned Drum Site Location: Colleton County Region: III

Note: Calculate scores to 2 decimal places.

GROUNDWATER ROUTE

	Scores Original	QA	Diff
1. OBSERVED RELEASE	0	0	
Depth to Aquifer of Concern	6	6	
Net Precipitation	2	2	
Permeability of the Unsaturated Zone	2	2	
Physical State	3	3	
2. TOTAL ROUTE CHARACTERISTICS	13	13	
3. CONTAINMENT	3	3	
Toxicity/Persistence	18	18	
Hazardous Waste Quantity	1	1	
4. TOTAL WASTE CHARACTERISTICS	19	19	
Groundwater Use	9	9	
Distance to Nearest Well/Population Served	20	20	
5. TOTAL TARGETS	29	29	

GROUNDWATER ROUTE SUBTOTAL

21,489	37.5	1405.0

SURFACE WATER ROUTE

	Scores Original	QA	Diff
1. OBSERVED RELEASE	0	0	
Facility Slope and Intervening Terrain	0	0	
1-Year, 24-Hour Rainfall	3	3	
Distance to Nearest Surface Water	6	6	
Physical State	3	3	
2. TOTAL ROUTE CHARACTERISTICS	12	12	
3. CONTAINMENT	3	3	
Toxicity/Persistence	18	18	
Hazardous Waste Quantity	1	1	
4. TOTAL WASTE CHARACTERISTICS	19	19	
Surface Water Use	6	6	
Distance to a Sensitive Environment	0	6	6
Population Served/ Distance to Water Intake	0	0	
5. TOTAL TARGETS	6	12	6

SURFACE WATER ROUTE SUBTOTAL

8208	12.7	162.7

AIR ROUTE

	Original	QA	Diff
1. OBSERVED RELEASE	45	45	
Reactivity and Incompatibility	0	0	
Toxicity	9	9	
Hazardous Waste Quantity	1	1	
2. TOTAL WASTE CHARACTERISTICS	10	10	
Population Within 4 Mile	18	18	
Distance to Sensitive Environment	6	6	
Land Use	3	3	
3. TOTAL TARGETS	27	27	

AIR ROUTE SUBTOTAL

12,150	34.6	1198.2

AGGREGATE SITE RANKING

Original	QA	Diff
29.7	30.4	.7

REASONS FOR SCORE DIFFERENCES
(use other side if necessary)

Information was documented but not noted during scoring.

WCMTR agree with scoring change

Reviewer's Signature: Charles L. Strange, Jr. Date: 2-1-85

June 28, 1982

DOCUMENTATION RECORDS
FOR
HAZARD RANKING SYSTEM

INSTRUCTIONS: The purpose of these records is to provide a convenient way to prepare an auditable record of the data and documentation used to apply the Hazard Ranking System to a given facility. As briefly as possible summarize the information you used to assign the score for each factor (e.g., "Waste quantity = 4,230 drums plus 800 cubic yards of sludges"). The source of information should be provided for each entry and should be a bibliographic-type reference that will make the document used for a given data point easier to find. Include the location of the document and consider appending a copy of the relevant page(s) for ease in review.

FACILITY NAME: Canada's Abandoned Drum Site

LOCATION: Colleton County

GROUND WATER ROUTE

1 OBSERVED RELEASE

Contaminants detected (5 maximum):

GWPD None

Rationale for attributing the contaminants to the facility:

GWPD None

* * *

2 ROUTE CHARACTERISTICS

Depth to Aquifer of Concern

Name/description of aquifers(s) of concern:

GWPD - The shallow (water table) aquifer and the Tertiary Limestone Aquifer. Most wells in the area locate use the shallow aquifer which has a thickness of 30-40 feet above the cretaceous marl which separates the shallow sands from the marl Ref: DHEC WATER SUPPLY Files

Depth(s) from the ground surface to the highest seasonal level of the saturated zone [water table(s)] of the aquifer of concern:

GWPD 6.0 feet the typical soil and location are ponded 4-6 months of the year

Ref Soil Survey of Colleton County S.C.

Depth from the ground surface to the lowest point of waste disposal/ storage:

GWPD Drums are on the banks of a tributary trending north, flowing into the Edisto River.

Ref. Sketch map from the Bureau of Solid & Hazardous Waste

Net Precipitation

Mean annual or seasonal precipitation (list months for seasonal):

49 inches

GWPD

Ref. S.C. Soils + Their Interpretations for Selected Uses
Moore & M. Ellerbe

Mean annual lake or seasonal evaporation (list months for seasonal):

GWPD approximately 43 inches

Net precipitation (subtract the above figures):

GWPD 6 inches

Permeability of Unsaturated Zone

Soil type in unsaturated zone:

Paxville fine sandy loam

GWPD Soil Survey of Colleton Co.
Dept of Agriculture

Permeability associated with soil type:

Permeability is moderate, mediate organics, poorly drained

GWPD County Soil Survey

Physical State

Physical state of substances at time of disposal (or at present time for generated gases):

Liquid paint type waste

* * *

3 CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

Container - drums

containers leaking with no liner

Method with highest score:

containers

4 WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated:

	Tox	Pers
benzene	3	1
toluene	2	1
1,1,2,2 tetrachloroethene	3	3
chloro benzene	2	2

Compound with highest score:

1,1,2,2. tetrachloro ethene

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

4 drums

Basis of estimating and/or computing waste quantity:

visual count 7/13/84

* * *

5 TARGETS

Ground Water Use

Use(s) of aquifer(s) of concern within a 3-mile radius of the facility:

Drinking

GWPD

DHEC Water Supply Files

Distance to Nearest Well

Location of nearest well drawing from aquifer of concern or occupied building not served by a public water supply:

0.18 miles in the northwest direction

GWPD

Ref: Estimated from a 7.5 minute topographic map (1982)

Distance to above well or building:

0.18 mile or 950 feet

GWPD

Population Served by Ground Water Wells Within a 3-Mile Radius

Identified water-supply well(s) drawing from aquifer(s) of concern within a 3-mile radius and populations served by each:

Public wells utilize the Limestone Aquifer. Private wells utilize

GWPD

both the shallow sands and the Limestone Aquifer

Computation of land area irrigated by supply well(s) drawing from aquifer(s) of concern within a 3-mile radius, and conversion to population (1.5 people per acre):

Estimate within a 3-mile radius would be 740 persons

GWPD Ref: Estimated from 7.5 minute topographic maps (1982)
By use of houses Irrigation was not computed

Total population served by ground water within a 3-mile radius:

740

SJ report

SURFACE WATER ROUTE

1 OBSERVED RELEASE

Contaminants detected in surface water at the facility or downhill from it (5 maximum):

GWPD None

Rationale for attributing the contaminants to the facility:

GWPD none

* * *

2 ROUTE CHARACTERISTICS

Facility Slope and Intervening Terrain

Average slope of facility in percent:

GWPD 2.5 percent

Name/description of nearest downslope surface water:

GWPD unnamed tributary to the Eastside River
Flows to the northeast

Average slope of terrain between facility and above-cited surface water body in percent:

GWPD 2.5 percent

Is the facility located either totally or partially in surface water?

GWPD Seasonally
Ref. Soil Survey of Colleton County

Is the facility completely surrounded by areas of higher elevation?

GWPD No

1-Year 24-Hour Rainfall in Inches

GWPD 3.5

Distance to Nearest Downslope Surface Water

GWPD 25 feet

Physical State of Waste

Liquid - paint type waste

* * *

3 CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

containers - drums

containers leaking with no liner

Method with highest score:

Container

4 WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated

Hexachloroethane

Compound with highest score:

Hexachloroethane

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

4 drums

Basis of estimating and/or computing waste quantity:

Visual count 2/13/84

* * *

5 TARGETS

Surface Water Use

Use(s) of surface water within 3 miles downstream of the hazardous substance:

Currently, SCE&G is using surface water for industrial as well as a drinking water supply. Due to near future the surface water for the plant will be used for industrial purposes only. From a verbal communication with Mark Harvey SCE&G engineer, the surface water intake appears to be just upstream of the mouth of the tributary that runs into the Edisto River. The river is actively used for recreational purposes.

GWPD

Is there tidal influence?

GWPD no

Distance to a Sensitive Environment

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:

GWPD none

Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less:

GWPD 25 feet. The site is located in a flood prone area of the Edisto River

Distance to critical habitat of an endangered species or national wildlife refuge, if 1 mile or less:

GWPD Approximately 0.5 miles northwest of site is the Colleton State Park however no wildlife refuge can noted

Ref: 7.5 minute topographic map

Population Served by Surface Water

Location(s) of water-supply intake(s) within 3 miles (free-flowing bodies) or 1 mile (static water bodies) downstream of the hazardous substance and population served by each intake:

GWPD Canady's uptake is just upstream of the mouth of the tributary. If this is accurate, then would be no surface water intakes within a 3-mile distance.

Ref: DHEC Water Supply Files

Computation of land area irrigated by above-cited intake(s) and conversion to population (1.5 people per acre):

none known

Total population served:

0

Name/description of nearest of above water bodies:

—

Distance to above-cited intakes, measured in stream miles.

—

AIR ROUTE

1 OBSERVED RELEASE

Contaminants detected:

volatile organics - benzene

Date and location of detection of contaminants

7/13/84 @ Conrad's Abandoned waste site

Methods used to detect the contaminants:

Drager tube

H.NU

Rationale for attributing the contaminants to the site:

measurements increase as got closer to the drums

* * *

2 WASTE CHARACTERISTICS

<u>Reactivity and Incompatibility</u>

Most reactive compound:

none present

Most incompatible pair of compounds:

not known

Toxicity

Most toxic compound:

Benzene - 3

Hazardous Waste Quantity

Total quantity of hazardous waste:

4 drums

Basis of estimating and/or computing waste quantity:

visual count - 7/13/84

* * *

3 TARGETS

Population Within 4-Mile Radius

Circle radius used, give population, and indicate how determined:

0 to 4 mi 0 to 1 mi 0 to 1/2 mi (0 to 1/4 mi)

eight persons

Distance to a Sensitive Environment

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:

G.T. 2 miles

Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less:

0.00001 mile (adjacent to)

Distance to critical habitat of an endangered species, if 1 mile or less:

G.T. 1 mile .

Land Use

Distance to commercial/industrial area, if 1 mile or less:

0.4 miles

Distance to national or state park, forest, or wildlife reserve, if 2 miles or less:

0.18 Colleta State Park

Distance to residential area, if 2 miles or less:

Distance to agricultural land in production within past 5 years, if 1 mile or less:

Distance to prime agricultural land in production within past 5 years, if 2 miles or less:

0.076 mile (400 feet)

Is a historic or landmark site (National Register or Historic Places and National Natural Landmarks) within the view of the site?

FIRE AND EXPLOSION

1 CONTAINMENT

Method(s) of waste containment to minimize or prevent hazardous substances from catching fire or exploding:

Drums are open and some waste is on surrounding ground

* * *

2 WASTE CHARACTERISTICS

Direct Evidence

CGI/O2 meter yields O(zero)

but HNU & Draeger tube show presence of volatile organics (benzene)

SI report

Ignitability

Toluene Table 4 page 19 => 3

Sample analysis

Reactivity

Most reactive compound:

no evidence of a reactive compound known

sample analysis

Incompatibility

Most incompatible pair of compounds:

no incompatible substances are present.

sample analysis

Hazardous Waste Quantity

Total quantity of hazardous waste:

4/ drums

S.I. report

Basis of estimating and/or computing waste quantity:

visual count 7/13/84

* * *

3. TARGETS

Distance to Nearest Population

0.13 mile (686 feet)

S.I report

Distance to Nearest Building

0.13

S.I report

Distance to Sensitive Environment

Distance to Wetlands

0.0001 mile

S.I report

Distance to Critical Habitat of an Endangered Species

N/A

Land Use

Distance to commercial/industrial area, if 1 mile or less:

0.4 mile
site report

Distance to national or state park, forest, or wildlife reserve, if 2 miles or less:

0.15 mile
site report

Distance to residential area, if 2 miles or less

Distance to agricultural land in production within past 5 years, if 1 mile or less:

Distance to prime agricultural land in production within past 5 years, if 2 miles or less:

0.076 mile (400 feet)

Is a historical or landmark site (National Register or Historic Places and National Landmarks) within the view of the site?

NO

Population Within 2 Mile Radius

578

Buildings Within 2-Mile Radius

152

DIRECT CONTACT

1 OBSERVED INCIDENT

Incident date, location, and pertinent details:

none known

* * *

2 ACCESSIBILITY

Describe measures taken to limit access by humans or animals to hazardous substances:

No measures have been taken

S.I 7/13/84

* * *

3 CONTAINMENT

Method(s) of waste containment to minimize or prevent hazardous substances from being easily contacted:

Waste is spilled on the ground around the area where the drums exist

* * *

4 WASTE CHARACTERISTICS

Toxicity

Benzene has a value of 3

Compound(s) evaluated:

Benzene
chlorobenzene
toluene
1,1,2,2 tetrachloroethane

Compound with highest score:

tetrachloroethane
Benzene

sample analysis

* * *

5 TARGETS

Population Within a 1-mile Radius

225

2.5 minute topographic map

Distance to a Critical Habitat of an Endangered Species

Greater Than 1.0 mile

see 1/23/85 SI by DHEC

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
SC	D980840631

1/31/85

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
Canady's Abandoned Drum Site	Hwy.61; 3/4 mile from Hwy 15 near SCE&G

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
Canadys	SC	29433	Colleton		

09 COORDINATES LATITUDE	LONGITUDE
33 03'31.5"	080 37'39.6"

10 DIRECTIONS TO SITE (Starting from nearest public road)

From St. George take Hwy 15 South to Hwy 61 and turn right. The site will then be on the left hand side approx. .5 miles from Hwy 15.

III. RESPONSIBLE PARTIES

01 OWNER (If known)	02 STREET (Business, mailing, residential)
Unknown	

03 CITY	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER
			( )

07 OPERATOR (If known and different from owner)	08 STREET (Business, mailing, residential)

09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER
			( )

13 TYPE OF OWNERSHIP (Check one)

☐ A. PRIVATE ☐ B. FEDERAL: _____ (Agency name) ☒ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL

☐ F. OTHER: _____ (Specify) ☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☐ A. RCRA 3001 DATE RECEIVED: ___/___/___ (MONTH DAY YEAR) ☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: ___/___/___ (MONTH DAY YEAR) ☒ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION

☒ YES ☐ NO DATE 07/10/84 (MONTH DAY YEAR)

BY (Check all that apply)

☐ A. EPA ☐ B. EPA CONTRACTOR ☒ C. STATE ☐ D. OTHER CONTRACTOR

☐ E. LOCAL HEALTH OFFICIAL ☐ F. OTHER: _____ (Specify)

CONTRACTOR NAME(S): _____

02 SITE STATUS (Check one)	03 YEARS OF OPERATION		
☐ A. ACTIVE ☒ B. INACTIVE ☐ C. UNKNOWN	1984 (BEGINNING YEAR)	1984 (ENDING YEAR)	☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

See Attached Memo

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

See Attached Memo

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)

☒ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required) ☐ C. LOW (Inspect on time available basis) ☐ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NUMBER
Mrs. Crockett	Colleton County Wayside State Pk.	(803) 538-8206

04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
Frederick E.Sanford	Low Country E.O.C.	SCDHEC	(803)524-9760	07/10/84 (MONTH DAY YEAR)

EPA FORM 2070-12 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
S.C.	D980840631

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- [X] A. SOLID
- [ ] B. POWDER, FINES
- [ ] C. SLUDGE
- [ ] D. OTHER _____ (Specify)
- [ ] E. SLURRY
- [X] F. LIQUID
- [ ] G. GAS

02 WASTE QUANTITY AT SITE
(Measures of waste quantities must be independent)

TONS: Unknown
CUBIC YARDS: Unknown
NO. OF DRUMS: 4

03 WASTE CHARACTERISTICS (Check all that apply)

- [ ] A. TOXIC
- [ ] B. CORROSIVE
- [ ] C. RADIOACTIVE
- [ ] D. PERSISTENT
- [ ] E. SOLUBLE
- [ ] F. INFECTIOUS
- [ ] G. FLAMMABLE
- [ ] H. IGNITABLE
- [ ] I. HIGHLY VOLATILE
- [ ] J. EXPLOSIVE
- [ ] K. REACTIVE
- [ ] L. INCOMPATIBLE
- [ ] M. NOT APPLICABLE

III. WASTE TYPE

UNKNOWN

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

Unknown

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION

V. FEEDSTOCKS (See Appendix for CAS Numbers)

UNKNOWN

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Canady's Abandoned Drum Site File

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
SC	D980840631

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

N/A

01 ☒ B. SURFACE WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: 7/10/84) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 120 04 NARRATIVE DESCRIPTION

The drums are located in a wet weather ditch near a small stream and the drums are leaking.

01 ☐ C. CONTAMINATION OF AIR — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

N/A

01 ☒ D. FIRE/EXPLOSIVE CONDITIONS — 02 ☐ OBSERVED (DATE: 7/10/84) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 120 04 NARRATIVE DESCRIPTION

The durms are located in a wet weather ditch on Highway 61. Access to the abandoned drum site is uncontrolled. There is a potential for fire since the drums are leaking and waste substance is unknown.

01 ☒ E. DIRECT CONTACT — 02 ☐ OBSERVED (DATE: 7/10/84) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 120 04 NARRATIVE DESCRIPTION

Access to the abandoned drum site is uncontrolled and the drums are leaking.

01 ☒ F. CONTAMINATION OF SOIL — 02 ☐ OBSERVED (DATE: 7-10-84) ☒ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: 1/12 of an acre (Acres) 04 NARRATIVE DESCRIPTION

Spillage has occurred around the abandoned drum site from the leaking drums.

01 ☐ G. DRINKING WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

N/A

01 ☐ H. WORKER EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

N/A

01 ☐ I. POPULATION EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

N/A

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
SC	D980840631

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☒ J. DAMAGE TO FLORA — 02 ☒ OBSERVED (DATE: 7-10-84) ☒ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Flora around the abandoned drum site is contaminated from the leaking drums.

01 ☐ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (include name(s) of species)

N/A

01 ☐ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

N/A

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES (Spills/runoff/standing liquids/leaking drums) — 02 ☒ OBSERVED (DATE: 7-10-84) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 120
04 NARRATIVE DESCRIPTION

The drums are leaking and there is the potential for runoff to occur.

01 ☐ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

N/A

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

N/A

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

N/A

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

N/A

III. TOTAL POPULATION POTENTIALLY AFFECTED: 120

IV. COMMENTS

The greatest concern at this time is that the drums are leaking and that access to the abandoned drum stie is uncontrolled.

V. SOURCES OF INFORMATION (Cite specific references, e. g., state files, sample analysis, reports)

Canady's Abandoned Drum Site File

EPA FORM 2070-12 (7-81)

South Carolina Department of Health and Environmental Control

2600 Bull Street
Columbia, S.C. 29201

Commissioner
Robert S. Jackson, M.D.

Low Country District
Environmental Quality Control
149 Ribaut Square
Beaufort, S.C. 29902
(803) 524-9760

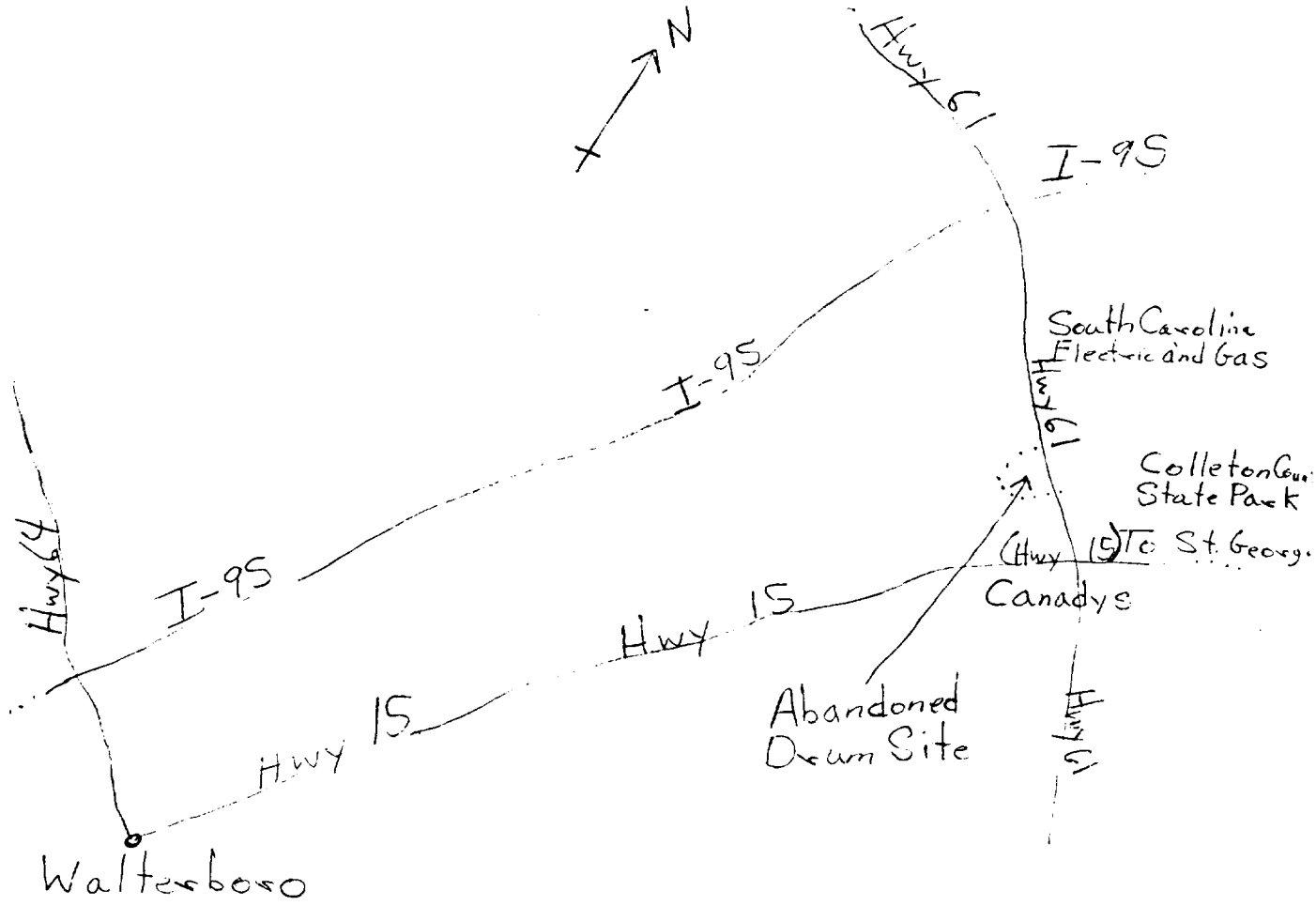
December 31, 1984

TO: Canady's Abandoned Drum Site
Part 1 - Site Information and Assessment

FROM: Frederick E. Sanford F.S.
Low Country E.Q.C. District

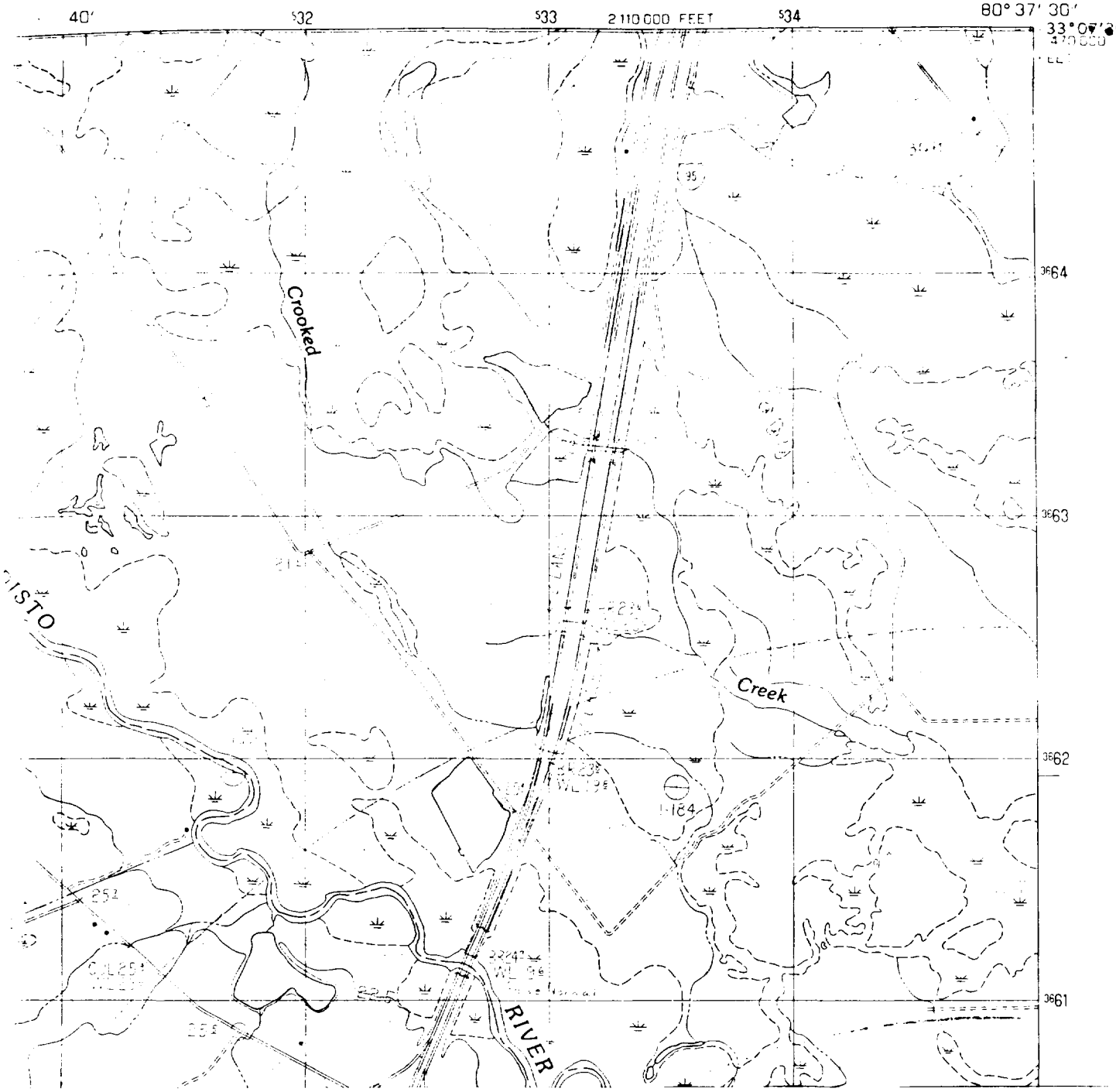
RE: Potential Hazardous Waste Site
Preliminary Assessment

On July 10, 1984, this writer inspected an abandoned drum site located on Highway 61 between South Carolina Electric & Gas Power Plant and the intersection of Highway 61 and Highway 15 in Canadys, S.C. There were four abandoned drums in a wet weather ditch. There were no markings on the drums and each drum had puncture holes in the lids. Responsible party is unknown at this time. The drums were leaking at the time of this investigation. The spillage from the drums is white and in a liquid state. Access to the site is also uncontrolled. There is the potential for runoff to occur and contaminate a nearby stream. There is already contamination of soil around the drums. Substance inside the drums is unknown at this time.



Canadys' Abandoned Drum Site

7.5 MINUTE SERIES (TOPOGRAPHIC)



South Carolina Department of Health and Environmental Control

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Commissioner
Robert S. Jackson, M.D.

MEMORANDUM

TO: US EPA, Region IV
345 Courtland St.
Atlanta, GA 30365

FROM: RCRA 3012 Program
SC DHEC
Bureau of Solid & Hazardous Waste Management
2600 Bull Street
Columbia, SC 29201

SUBJECT: Canady's Abandoned Drum Site - Site Inspection Report

DATE: January 21, 1985

I. EXECUTIVE SUMMARY

The Canady's Abandoned Drum Site near Canadys in Colleton County is the location of the illegal dumping of four (4) drums of unknown contents. The drums had apparently been off loaded from some transportation vehicle by simply shoving them off the bed and letting them roll to the bottom of the wet weather ditch, crushing some and leaving others burst open and leaking contents on the surrounding area. The drums were located adjacent to an intermittent stream. A site investigation was conducted by the Site Screening & Engineering Section of SC DHEC on July 13, 1984. The site is located northwest of Canadys intersection. Three samples were taken: one of the waste, one of some potentially contaminated soil and one background located east of the site. On August 1, 1984, all existing drums as well as some contaminated soil were removed from the site by a contractor for the State, namely SCA Services out of Pinewood, S.C. At this time, the leaking drums were overpacked along with existing contaminated soil.

II. BACKGROUND

A. Location

The Canadys Abandoned Drum Site is located near SCE&G next to an intermittent stream on the south side of Highway 61 about 0.75 mile west of Canadys intersection (Highway 61 and Highway 15 intersection). The coordinates of the site are latitude 33 degrees 3 minutes and 31.5 seconds and longitude 80 degrees 37 minutes and 39.6 seconds. The closest address for this site would be Canadys, S.C. 29433.

B. Site Layout

The site is located at the bottom and along the side of the south side portion of the Highway 61 wet weather ditch. It is bordered on the east by an intermittent stream, on the north by Highway 61, and to the south by foliage. The site covers an area of less than 0.5 acres. The nearest drinking water well is 0.18 mile from the site. The Edisto River is located about 0.55 mile due north of the site. The nearest population is about 600 feet away. The site is in a sparsely populated area with only eight (8) persons within 0.25 mile and eighty (80) persons within 0.50 mile. The topography is flat including the marsh-swamp complex developed along the Edisto River. The area is extensively farmed.

C. Ownership History

The property on which the waste was illegally dumped is public property in the form of a storm drainage system for Highway 61.

D. Site Use History

The function of the area known as Canady's Abandoned Drum Site is for drainage of water from Highway 61.

E. Permit and Regulatory History

The Department has never issued a permit for disposal of any kind at this site.

F. Remedial Actions to Date

Some remedial action has taken place subsequent to the site inspection on July 13, 1984. SCA Services (contractor for the State) arrived on-site removing spilled material and contaminated soil on August 1, 1984. Waste still present in leaking drums were overpacked and was taken to the SCA Landfill in Pinewood, S.C. to await approval by the State for disposal. Prior to the arrival of SCA, DHEC personnel placed a warning tape around the site to discourage entry.

G. Summary Trip Report

On July 13, 1984 Charlie Strange, John Cresswell, and the writer, all of the Central Office, met Gary Dukes and Fred Sanford of the Low Country District Office. Our purpose in going was to investigate the hazards present in and around the illegally disposed of drums. The site was monitored for both combustible gases and volatile organics using the Combustible Gas Indicator/Oxygen Meter (CGI/102 meter), the H-NU, and Drager tubes. The only positive results were found using the H-NU (at a spanpot setting of 2.5 a reading of 500 ppm was measured inside the open drums) and the benzene sensitive Drager tube (a 10 ppm measurement of benzene was found in one of the open drums). During the site inspection, we were approached by a representative of a local weekly newspaper. One waste, one potentially contaminated sediment, and one background sediment sample were taken. The samples were analyzed for the following parameters: flashpoint, pH, metals (As, Ba, Cd, Cr, Pb, Mn, Hg, Ni, Se, Ag), volatile organics and acid base neutral extractables. The samples were deposited at the Central Laboratory in Columbia, S.C., maintaining chain of custody. Photographs were taken to maintain a record of sampling and site specific information.

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

EPA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
SC	980840631

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER				
Canady's Abandoned Drum Site	Hwy 61; 3/4 mile from Hwy 15 near SCE&G				
03 CITY	**04 STATE**	**05 ZIP CODE**	**06 COUNTY**	**07 COUNTY CODE**	**08 CONG DIST**
Canadys	SC	29433	Colleton		

09 COORDINATES	10 TYPE OF OWNERSHIP (Check one)
LATITUDE 33°03'31.5" LONGITUDE 080°37'39.6"	☐ A. PRIVATE ☐ B. FEDERAL _____ XX C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL ☐ F. OTHER _____ ☐ G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION	02 SITE STATUS	03 YEARS OF OPERATION
7 / 13 / 84 (MONTH DAY YEAR)	☐ ACTIVE ☒ INACTIVE	1984 (BEGINNING YEAR) 1984 (ENDING YEAR) ___ UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply)

☐ A. EPA ☐ B. EPA CONTRACTOR _____ (Name of firm) ☐ C. MUNICIPAL ☐ D. MUNICIPAL CONTRACTOR _____ (Name of firm)
☒ E. STATE ☐ F. STATE CONTRACTOR _____ (Name of firm) ☐ G. OTHER _____ (Specify)

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO.
John K. Cresswell	Environmental Engineer	SCDHEC	(803)758-5681
09 OTHER INSPECTORS	**10 TITLE**	**11 ORGANIZATION**	**12 TELEPHONE NO.**
Coleman Miles	Environmental Engineer	SCDHEC	(803)758-5681
Charles Strange	Environmental Manager	SCDHEC	(803)758-5681
			( )
			( )
			( )

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO
None			( )
			( )
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
☒ PERMISSION ☐ WARRANT	9:15 a.m.	Hot & humid temperature in mid 90's.

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.
John Cresswell	EQC/SCDHEC	(803) 758-5681

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE
Wilson C. Miles, Jr.	EQC	SCDHEC	(803)758-5681	1 / 11 / 84 (MONTH DAY YEAR)

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
SC	980840631

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- [X] A. SOLID
- [ ] B. POWDER, FINES
- [ ] C. SLUDGE
- [ ] D. OTHER (Specify)
- [ ] E. SLURRY
- [X] F. LIQUID
- [ ] G. GAS

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)

TONS
CUBIC YARDS
NO. OF DRUMS 4

03 WASTE CHARACTERISTICS (Check all that apply)

- [X] A. TOXIC
- [ ] B. CORROSIVE
- [ ] C. RADIOACTIVE
- [X] D. PERSISTENT
- [ ] E. SOLUBLE
- [ ] F. INFECTIOUS
- [X] G. FLAMMABLE
- [X] H. IGNITABLE
- [X] I. HIGHLY VOLATILE
- [ ] J. EXPLOSIVE
- [ ] K. REACTIVE
- [ ] L. INCOMPATIBLE
- [ ] M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS	unknown		
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS	unknown		
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS	unknown		suspected

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
SOL	Toluene	108-88-3	illegal dumping	90.2	mg/kg
OOC	1,1,2,2-tetrachloroethane	127-18-5	illegal dumping	51.9	µg/kg
OOC	chlorobenzene	108-90-7	illegal dumping	55.0	µg/kg
SOL	Benzene	71-43-2	illegal dumping	5.4	mg/kg
OOC	3-chloro-1-propane	999	illegal dumping	-	-
OOC	2-octane	999	illegal dumping	-	-

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Sample analysis report.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
SC	980840631

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 [X] A. GROUNDWATER CONTAMINATION — 02 [ ] OBSERVED (DATE: _____) — [X] POTENTIAL — [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 106 — 04 NARRATIVE DESCRIPTION
Drums are located in a ditch near possible discharge area.

01 [X] B. SURFACE WATER CONTAMINATION — 02 [ ] OBSERVED (DATE: _____) — [X] POTENTIAL — [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 106 — 04 NARRATIVE DESCRIPTION
The drums are located in a wet weather ditch near a small stream and the drums are leaking.

01 [ ] C. CONTAMINATION OF AIR — 02 [ ] OBSERVED (DATE: _____) — [ ] POTENTIAL — [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
N/A

01 [X] D. FIRE/EXPLOSIVE CONDITIONS — 02 [ ] OBSERVED (DATE _____) — [X] POTENTIAL — [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 120 — 04 NARRATIVE DESCRIPTION
The drums are located in a wet weather ditch on Highway 61. Access to the abandoned drums is uncontrolled. There is a potential for fire since the drums are leaking an unknown substance.

01 [X] E. DIRECT CONTACT — 02 [ ] OBSERVED (DATE: _____) — [X] POTENTIAL — [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 120 — 04 NARRATIVE DESCRIPTION
Access to the abandoned drum site is uncontrolled and the drums are leaking.

01 [X] F. CONTAMINATION OF SOIL — 02XX OBSERVED (DATE 7/10/84) — [ ] POTENTIAL — [ ] ALLEGED
03 AREA POTENTIALLY AFFECTED: 0.5 (Acres) — 04 NARRATIVE DESCRIPTION
Spillage has occurred around the abandoned drum site from the leaking drums.

01 [X] G. DRINKING WATER CONTAMINATION — 02 [ ] OBSERVED (DATE: _____) — [X] POTENTIAL — [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 106 — 04 NARRATIVE DESCRIPTION
Residences in the area use groundwater as basic water supply.

01 [ ] H. WORKER EXPOSURE/INJURY — 02 [ ] OBSERVED (DATE: _____) — [ ] POTENTIAL — [ ] ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
N/A

01 [ ] I. POPULATION EXPOSURE/INJURY — 02 [ ] OBSERVED (DATE: _____) — [ ] POTENTIAL — [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
N/A

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE: SC | 02 SITE NUMBER: 980840631

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 [X] J. DAMAGE TO FLORA — 02 [X] OBSERVED (DATE: 7/10/84) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Flora from around the leaking drums has been contaminated.

01 ☐ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species)

N/A

01 ☐ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

N/A

01 [X] M. UNSTABLE CONTAINMENT OF WASTES (Spills, Runoff, Standing liquids, Leaking drums) — 02 [X] OBSERVED (DATE: 7/10/84) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 120 — 04 NARRATIVE DESCRIPTION

Drums present are leaking and has the potential for runoff.

01 ☐ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

N/A

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

N/A

01 [X] P. ILLEGAL/UNAUTHORIZED DUMPING — 02 [X] OBSERVED (DATE: 7/10/84) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Drums have been dumped along Highway 61 without authorization.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: 120

IV. COMMENTS

The greatest concern at this time is that the drums are leaking and that access to the abandoned site is uncontrolled.

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

State Files

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
SC	980840631

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
☐ A. NPDES				
☐ B. UIC				
☐ C. AIR				
☐ D. RCRA				
☐ E. RCRA INTERIM STATUS				
☐ F. SPCC PLAN				
☐ G. STATE (Specify)				
☐ H. LOCAL (Specify)				
☐ I. OTHER (Specify)				
☒ J. NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE
☐ A. SURFACE IMPOUNDMENT		
☐ B. PILES		
☒ C. DRUMS, ABOVE GROUND	4	55 gal.
☐ D. TANK, ABOVE GROUND		
☐ E. TANK, BELOW GROUND		
☐ F. LANDFILL		
☐ G. LANDFARM		
☐ H. OPEN DUMP		
☐ I. OTHER (Specify)		

04 TREATMENT (Check all that apply)

- ☐ A. INCENERATION
- ☐ B. UNDERGROUND INJECTION
- ☐ C. CHEMICAL/PHYSICAL
- ☐ D. BIOLOGICAL
- ☐ E. WASTE OIL PROCESSING
- ☐ F. SOLVENT RECOVERY
- ☐ G. OTHER RECYCLING/RECOVERY
- ☐ H. OTHER (Specify)

05 OTHER

- ☐ A. BUILDINGS ON SITE

06 AREA OF SITE

0.5 (Acres)

07 COMMENTS

Illegal dumping of drums has occurred.

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)

☐ A. ADEQUATE, SECURE ☐ B. MODERATE ☐ C. INADEQUATE, POOR ☒ D. INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.

Drums have apparently been rolled off a truck and upon impact with the ground have become cracked and/or burst open.

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ☒ YES ☐ NO

02 COMMENTS

Drums lie on the side of the road.

VI. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis, reports)

State Files, on-site inspection.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
SC	980840631

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check as applicable)	SURFACE	WELL	02 STATUS ENDANGERED	AFFECTED	MONITORED	03 DISTANCE TO SITE
COMMUNITY	A. ☐	B. ☐	A. ☐	B. ☐	C. ☐	A. _____ (mi)
NON-COMMUNITY	C. ☐	D. ☒	D. ☐	E. ☐	F. ☒	B. 0.18 (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)

☒ A. ONLY SOURCE FOR DRINKING ☐ B. DRINKING (Other sources available) COMMERCIAL, INDUSTRIAL, IRRIGATION (No other water sources available) ☐ C. COMMERCIAL, INDUSTRIAL, IRRIGATION (Limited other sources available) ☐ D. NOT USED, UNUSEABLE

02 POPULATION SERVED BY GROUND WATER	03 DISTANCE TO NEAREST DRINKING WATER WELL
106	0.18 (mi)

04 DEPTH TO GROUNDWATER	05 DIRECTION OF GROUNDWATER FLOW	06 DEPTH TO AQUIFER OF CONCERN	07 POTENTIAL YIELD OF AQUIFER	08 SOLE SOURCE AQUIFER
3-5 (ft)	NNE	3-5 (ft)	28,800 (gpd)	☐ YES ☒ NO

09 DESCRIPTION OF WELLS (Including useage, depth, and location relative to population and buildings)

Information about the useage of the shallow water aquifer, which is the likely source for the closest dwelling to the site, is unavailable. Potable wells utilizing the tertiary limestone aquifer (Canady's Steam Plant) and Colleton State Park, average depth of 375 feet are 0.4 miles away from the site.

10 RECHARGE AREA		11 DISCHARGE AREA	
☒ YES ☐ NO	COMMENTS: Recharge is to the shallow water (table) aquifer.	☒ YES ☐ NO	COMMENTS: Site is located approx. 25 ft. from a stream that would act as a point of discharge.

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

☐ A. RESERVOIR, RECREATION DRINKING WATER SOURCE ☒ B. IRRIGATION, ECONOMICALLY IMPORTANT RESOURCES ☐ C. COMMERCIAL, INDUSTRIAL ☐ D. NOT CURRENTLY USED

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME:	AFFECTED	DISTANCE TO SITE
Edisto River (potential)	☐	0.55 (mi)
intermediate stream (potential)	☐	adjacent (mi)
	☐	(mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN

ONE (1) MILE OF SITE	TWO (2) MILES OF SITE	THREE (3) MILES OF SITE
A. 225 NO. OF PERSONS	B. 578 NO. OF PERSONS	C. 741 NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION: 0.13 (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE	04 DISTANCE TO NEAREST OFF-SITE BUILDING
152	0.13 (mi) (600 ft.)

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site, e.g., rural, village, densely populated urban area)

Sparsely populated rural area. Only a few areas have a grouping of residences with only a few churches in the area (3 mile). Of importance also is the proximity of Colleton State Park (0.75 miles). Within 0.25 miles there are about 8 persons and within 0.50 miles there are about 80 persons.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION
01 STATE: SC | 02 SITE NUMBER: 980840631

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

☐ A. $10^{-6} - 10^{-8}$ cm/sec ☐ B. $10^{-4} - 10^{-6}$ cm/sec ☐ C. $10^{-4} - 10^{-3}$ cm/sec ☒ D. GREATER THAN 10^{-3} cm/sec

02 PERMEABILITY OF BEDROCK (Check one)

☐ A. IMPERMEABLE (Less than 10^{-6} cm/sec) ☒ B. RELATIVELY IMPERMEABLE ($10^{-4} - 10^{-6}$ cm/sec) ☐ C. RELATIVELY PERMEABLE ($10^{-2} - 10^{-4}$ cm/sec) ☐ D. VERY PERMEABLE (Greater than 10^{-2} cm/sec)

03 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SOIL pH	
2,000 (ft)	unknown (ft)	very strongly	acid

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE: SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
48-49 (in)	3.5 (in)	2.5 %	East	0-2 %

09 FLOOD POTENTIAL: See 14 ** SITE IS IN _____ YEAR FLOODPLAIN

10: ☒ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTUARINE	OTHER
A. _____ (mi)	B. 0.00001 (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species): N/A (mi)

ENDANGERED SPECIES: N/A

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL	RESIDENTIAL AREAS; NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS: PRIME AG LAND	AGRICULTURAL LANDS: AG LAND
A. 0.4 (mi)	B. 0.18 (mi)	C. 0.076 (mi)	D. _____ (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

** Site is in flood-prone area of the Edisto River as designated by the 1984 U.S.G.S.

The site is located approximately 25 feet from a stream which flows north to the Edisto River. The topography is flat including the marsh-swamp complex developed along the Edisto River. Soil maps and aerial photos indicate area is extensively farmed.

VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

State Files (memo dated 12/20/84 from Stan Clark, GWPD

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
SC	980840631

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER			
SURFACE WATER			
WASTE	1	SCDHEC Lab	12/84
AIR			
RUNOFF			
SPILL			
SOIL	2	SCDHEC Lab	12/84
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS
H-NU	Reading with spanpot set at 2.5 of 500 ppm (inside drum)
H-NU	Reading with spanpot set at 2.5 of 2 ppm (outside drum in genera area)
Drager Tube	10 ppm from benzene sensitive tube

IV. PHOTOGRAPHS AND MAPS

01 TYPE ☒ GROUND ☐ AERIAL

02 IN CUSTODY OF Bureau of Solid & Hazardous Waste Management
(Name of organization or individual)

03 MAPS XX YES ☐ NO

04 LOCATION OF MAPS: SCDHEC - Central Office

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

Combustible Gas Indicator - no detection
Oxygen meter - no detection

VI. SOURCES OF INFORMATION (Cite specific references, e g , state files sample analysis, reports)

State Files

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
SC	980840631

II. CURRENT OWNER(S) / PARENT COMPANY *(If applicable)*

II. CURRENT OWNER(S)			PARENT COMPANY *(If applicable)*		
01 NAME: Public Property		02 D+B NUMBER	08 NAME		09 D+B NUMBER
03 STREET ADDRESS *(P.O. Box, RFD #, etc.)*		04 SIC CODE	10 STREET ADDRESS *(P.O. Box, RFD #, etc.)*		11 SIC CODE
05 CITY	06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE
01 NAME		02 D+B NUMBER	08 NAME		09 D+B NUMBER
03 STREET ADDRESS *(P.O. Box, RFD #, etc.)*		04 SIC CODE	10 STREET ADDRESS *(P.O. Box, RFD #, etc.)*		11 SIC CODE
05 CITY	06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE
01 NAME		02 D+B NUMBER	08 NAME		09 D+B NUMBER
03 STREET ADDRESS *(P.O. Box, RFD #, etc.)*		04 SIC CODE	10 STREET ADDRESS *(P.O. Box, RFD #, etc.)*		11 SIC CODE
05 CITY	06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE
01 NAME		02 D+B NUMBER	08 NAME		09 D+B NUMBER
03 STREET ADDRESS *(P.O. Box, RFD #, etc.)*		04 SIC CODE	10 STREET ADDRESS *(P.O. Box, RFD #, etc.)*		11 SIC CODE
05 CITY	06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE

III. PREVIOUS OWNER(S) *(List most recent first)* / IV. REALTY OWNER(S) *(If applicable; list most recent first)*

III. PREVIOUS OWNER(S) *(List most recent first)*			IV. REALTY OWNER(S) *(If applicable; list most recent first)*		
01 NAME		02 D+B NUMBER	01 NAME		02 D+B NUMBER
03 STREET ADDRESS *(P.O. Box, RFD #, etc.)*		04 SIC CODE	03 STREET ADDRESS *(P.O. Box, RFD #, etc.)*		04 SIC CODE
05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE
01 NAME		02 D+B NUMBER	01 NAME		02 D+B NUMBER
03 STREET ADDRESS *(P.O. Box, RFD #, etc.)*		04 SIC CODE	03 STREET ADDRESS *(P.O. Box, RFD #, etc.)*		04 SIC CODE
05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE
01 NAME		02 D+B NUMBER	01 NAME		02 D+B NUMBER
03 STREET ADDRESS *(P.O. Box, RFD #, etc.)*		04 SIC CODE	03 STREET ADDRESS *(P.O. Box, RFD #, etc.)*		04 SIC CODE
05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

V. SOURCES OF INFORMATION *(Cite specific references, e.g., state files, sample analysis, reports)*

State Files

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
SC	980840631

II. CURRENT OPERATOR (Provide if different from owner)

01 NAME	02 D+B NUMBER
None	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER

OPERATOR'S PARENT COMPANY (If applicable)

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)

01 NAME	02 D+B NUMBER
None	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

State Files; interview with district consultant.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
SC	980840631

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER
None	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE

III. OFF-SITE GENERATOR(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
None			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

IV. TRANSPORTER(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
None			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

State Files, district consultant

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
SC	980840631

II. PAST RESPONSE ACTIVITIES

01 ☐ A. WATER SUPPLY CLOSED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ B. TEMPORARY WATER SUPPLY PROVIDED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ C. PERMANENT WATER SUPPLY PROVIDED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ D. SPILLED MATERIAL REMOVED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ E. CONTAMINATED SOIL REMOVED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ F. WASTE REPACKAGED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ G. WASTE DISPOSED ELSEWHERE — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ H. ON SITE BURIAL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ I. IN SITU CHEMICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ J. IN SITU BIOLOGICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ K. IN SITU PHYSICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ L. ENCAPSULATION — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ M. EMERGENCY WASTE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ N. CUTOFF WALLS — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ O. EMERGENCY DIKING/SURFACE WATER DIVERSION — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ P. CUTOFF TRENCHES/SUMP — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ Q. SUBSURFACE CUTOFF WALL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
SC	980840631

II PAST RESPONSE ACTIVITIES *(Continued)*

01 ☐ R. BARRIER WALLS CONSTRUCTED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ S. CAPPING/COVERING 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ T. BULK TANKAGE REPAIRED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ U. GROUT CURTAIN CONSTRUCTED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ V. BOTTOM SEALED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ W. GAS CONTROL 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ X. FIRE CONTROL 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ Y. LEACHATE TREATMENT 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ Z. AREA EVACUATED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ 1. ACCESS TO SITE RESTRICTED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☐ 2. POPULATION RELOCATED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 ☒ 3. OTHER REMEDIAL ACTIVITIES 04 DESCRIPTION	02 DATE _____	03 AGENCY _____

No remedial activities had taken place as of the initial site inspection; however, since the site inspection, all drums and some contaminated soil have been removed.

III. SOURCES OF INFORMATION *(Cite specific references, e.g., state files, sample analysis, reports)*

State Files

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
SC	980840631

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ☐ YES XXNO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

III. SOURCES OF INFORMATION *(Cite specific references, e.g., state files, sample analysis, reports)*

State Files

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Environmental Quality Control
Analytical Services Data Sheet for Solid Waste and Hydrology

Sample Location Canady's Site County Colleton

Sample Type grab Comments Hold for E.P.

Date 7-13-84 Collected by Coleman Miles + Charles Strange

An "X" in the small column indicates test requested

Time Collected (Milit.)								
Sample Point	CAN-1	CAN-2	CAN-3		CAN-1	CAN-2	CAN-3
Lab No.	10:50	11:05	11:10		10:50	11:05	11:10
NH_3-N, mg/l				Calcium			
NO_3/NO_2-N, mg/l				Magnesium			
TKN				Sodium			
Nitrite, N, mg/l				Potassium			
T-P,				Arsenic	X **	X *	X *
Hardness, mg/l				Barium	X **	X	X
Cl, mg/l				Cadmium	X **	X	X
SO_4 mg/l				Chromium	X **	X	X
Flashpoint, °F	X [illegible]	X 115	X 120	Copper			
Solids, Total, mg/l				Iron			
Solids, Tot. Diss, mg/l				Lead	X **	X	X
Solids, %				Manganese	X **	X	X
pH	X [illegible]	X [illegible]	X [illegible]	Mercury	X **	X	X
Alkalinity mg/l				Nickel	X **	X	X
Fluoride, mg/l				Selenium	X **	X	X
TOC				Silver	X **	X	X
Phenols, µg/l				Zinc			
COD							
Cyanide, mg/l							
MBAS, mg/l							

Remarks:

*Unable to analyze due to low flashpoint

**Results to be released at a later date.

Date Received in Regional Laboratory _____ by _____

Date Released from Regional Laboratory _____ by _____

Date Received in Central Laboratory [illegible] by _____

Date Released from Spec & A. A. Section _____ by _____

Date Released from Metals Section 7/30/84 by AM Thompson

DHEC 40-89 (01/81) White - Program; Yellow - Program; Pink - Program; Gold - Lab

SOUTH CAROL[illegible]PARTMENT OF HEALTH AND ENVI[illegible]ITAL CONTROL
Environmental Quality Control
Analytical Services Data Sheet for Solid Waste and Hydrology

Sample Location CANADY'S SITE County COLLETON

Sample Type GRAB Comments HOLD FOR EP

Date 7/13/84 Collected by COLEMAN MILES & CHARLES STRANGE

An "X" in the small column indicates test requested

Time Collected (Milit.)								
Sample Point						CAN-1		
Lab No.						SW 19		
NH_3-N, mg/l				Calcium				
NO_3/NO_2-N, mg/l				Magnesium				
TKN				Sodium				
Nitrite, N, mg/l				Potassium				
T-P,				Arsenic	X	*		
Hardness, mg/l				Barium	X			
Cl, mg/l				Cadmium	X			
SO_4 mg/l				Chromium	X			
Flashpoint, °F	90°F			Copper				
Solids, Total, mg/l				Iron				
Solids, Tot. Diss, mg/l				Lead	X			
Solids, %				Manganese	X			
pH				Mercury	X			
Alkalinity mg/l				Nickel	X			
Fluoride, mg/l				Selenium	X			
TOC				Silver	X			
Phenols, µg/l				Zinc				
COD								
Cyanide, mg/l								
MBAS, mg/l				Remarks: * Could not be analyzed due to low flashpoint				

Date Received in Regional Laboratory _____ by _____

Date Released from Regional Laboratory _____ by _____

Date Received in Central Laboratory XXXXX 07/13/84 by JDW

Date Released from Spec & A. A. Section _____ by _____

Date Released from Metals Section 8/14/84 by [illegible]

DHEC 40-89 (01/81) White - Program; Yellow - Program; Pink - Program; Gold - Lab

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Environmental Quality Control
Analytical Services Data Sheet for Organic Compounds in Solid Waste and Hydrology Samples

Sample Location Canady's Site County Colleton

Sample Type grab Comments

Date 7-13-84 Collected By Coleman Miles + Charles Strange An "X" in the small column indicates test requested.

Time Collected (Milit.)		19	20	21
Station No.		CAN-1	CAN-2	CAN-3
Lab. No.		10:50	11:05	11:10
Chlorinated hydrocarbons, µg/l				
Endrin, mg/l				
Lindane, mg/l				
Methoxychlor, mg/l				
Toxaphene, mg/l				
Organophosphates, µg/l				
PCBs, µg/l				
Other				
Volatile organics	X	***	**	**
Acid base Neutral Extractables	X	@	SEE ATTACHED	SEE ATTACHED

Comments **Results reported 08/13/84.
***Results reported 09/26/84.
@ Results reported 11/15/84.

Date Received in Regional Laboratory _____ By _____
Date Released from Regional Laboratory _____ By _____
Date Received in Central Laboratory _____ By _____
Date Released from Organic Section 11/30/84 By [illegible]

White--Program; Yellow--Program; Pink--Lab; Gold--Program

DHEC 40-90 (09/81)

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
ANALYTICAL SERVICES DIVISION

REPORT OF ORGANIC ANALYSIS

Sample Location: CANADY'S SITE

Sample Type: WASTE

Date of Collection: 07/13/84

Collected by: COLEMAN/MILES

Sample Number: SW 19

VOLATILE ORGANICS:

1)	benzene	5.4 mg/kg
2)	toluene	90.2 mg/kg
3)	5-methyl-1H-tetraazole	
4)	methyl cyclopentane	
5)	1,1-dimethyl cyclopentane	
6)	(chloromethyl) benzene	
7)	bicyclo\2.2.2\octane	
8)	cis-octahydro-pentalene	
9)	cis-1,2-dimethyl-cyclohexane	
10)	1-propyl spiropentane	
11)	2-octyne	
12)	ethyl cyclohexane	
13)	tricyclo\3.3.1.13,7\decane	
14)	cis-1,3-dimethyl-cyclohexane	
15)	1,1,3-trimethyl cyclohexane	
16)	1-methyl-octahydro-pentalene	
17)	1,3,5-trimethyl-(1.alpha., 3.alpha., 5 alpha.)-cyclohexane	
18)	1.2.3-trimethyl cyclohexane	
19)	propyl ester/cyanic acid	
20)	benzene carbothioic acid	

Reported by [signature] Date 9/7/84

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
ANALYTICAL SERVICES DIVISION

REPORT OF ORGANIC ANALYSIS

Sample Location: CANADY'S SITE

Sample Type: SEDIMENT

Date of Collection: JULY 13, 1984

Collected by: MILES STRANGE

Sample Number: SW 20, SW 21

SW 20 -- VOLATILE ORGANICS:	1)	toluene	21.6 µg/kg
	2)	1,1,2,2-tetrachloroethane	26.5 µg/kg
	3)	3-chloro-1-propene	
	4)	1-(2-propenyloxy)-heptane	
	5)	1,3-dimethyl-benzene	

SW 21 -- VOLATILE ORGANICS:	1)	1,1,2,2-tetrachloroethane	51.9 µg/kg
	2)	toluene	36.9 µg/kg
	3)	chlorobenzene	55.0 µg/kg
	4)	5-methyl-1H-tetrazole	
	5)	methyl-cyclohexane	
	6)	Bicyclo\3.2.1\octane	
	7)	cis-octahydro-pentalene	
	8)	1,1-dimethyl-cyclohexane	
	9)	2,4-dimethyl-3-pentanone	
	10)	cis-1,2-dimethyl-cyclohexane	
	11)	2-octyne	
	12)	ethyl-cyclohexane	
	13)	1,1'-ethylidene bis-cyclopentane	
	14)	2,3,4,5,6,7-hexahydro-1H-inden-1-one	
	15)	1,1,3-trimethyl-cyclohexane	
	16)	cis-octahydro-1H-indene	
	17)	(1.α.,3.α.,5.α)-1,3,5-trimethyl-cyclohexane	
	18)	cyanicacid, propylester	

Reported by A. Williams Date 8/13/84

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
ANALYTICAL SERVICES DIVISION

REPORT OF ORGANIC ANALYSIS

Sample Location: CANADY'S SITE

Sample Type: GRAB

Date of Collection: JULY 13, 1984

Collected by: MILES & STRANGE

Sample Number: SW 19

BASE-NEUTRAL/ACID EXTRACTABLES:

(1) 2,3-dimethyl-cyclobutane
(2) 1-bromo-4-methyl-cyclohexane
(3) 2,4-dimethyl hexane
(4) trans-1-methyl-2-(2-propenyl)cyclopentane
(5) 2,2,3,3-tetramethyl pentane
(6) propyl cyclohexane
(7) 2,6-dimethyl-octane
(8) 4-(1-methyl ethyl)-heptane
(9) 3-ethyl-2-methyl-heptane
(10) 1-ethyl-2-methyl-benzene
(11) 2,3,4,5-tetrahydropyridine
(12) 1,2,3-trimethyl benzene
(13) 5-ethyl-2-methyl-heptane
(14) 2-bromo-octane
(15) alpha-methyl-benzene acetaldehyde
(16) trans-decahydro-naphthalene
(17) 1-methyl-2-(1-methylethyl)-benzene
(18) 1-bromo-4-methyl-cyclohexane
(19) 2,2,3,3-tetramethyl hexane
(20) 2-methyl-undecane
(21) 3-bromo-decane
(22) tridecane
(23) 4-ethyl-5-methyl-thiazole
(24) 2-methyl-butylester-propanoic acid
(25) undecane
(26) 2,3-dihydro-3-methyl-1H-iden-1-one
(27) decahydro-1,1,7-trimethyl-4-methylene-1AR-(1H-cycloprop)-E-azulene
(28) methylester, 2-5-octadecadiynoicacid
(29) 2-methyl-3,5-dodecadiyne
(30) 1-(1,1-dimethyl ethyl)-3-methyl-benzene

Reported by R. Williams Date 11/15/84

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
ANALYTICAL SERVICES DIVISION

REPORT OF ORGANIC ANALYSIS

Sample Location: CANADY'S SITE

Sample Type: GRAB

Date of Collection: 07/13/84

Collected by: MILES & STRANGE

Sample Number: SW 20, SW 21

SW 20 -- BASE NEUTRAL/ACID EXTRACTABLES:

(1) 3,5-bis(1,1-dimethylethyl)-phenol
(2) 2-methyl-1-(1-dimethylethyl)-2-methyl-1,3-propan-propanoic acid
(3) N,N-diphenyl-hydrazinecarboxamide
(4) 5,7-dimethyl-undecane

SW 21 -- BASE NEUTRAL/ACID EXTRACTABLES:

(1) 2-propyl-1-heptanol
(2) 3,5-dimethyl-octane
(3) 4-methyl-2-propyl-1-pentanol
(4) O-decyl-hydroxylamine
(5) 2-methyl-nonane
(6) 3-methyl-nonane
(7) 2-methyl-4-(2-methyl propyl)-cyclopentanone
(8) decane
(9) 5-ethyl-2-methyl-heptane
(10) 4-methyl-5-propyl-nonane
(11) 2-methyl-decane
(12) 5-(1-methyl propyl)-nonane
(13) 2-propyl-1-heptanol
(14) heptyl hexyl ether
(15) decahydro-2-methyl-napthalene
(16) (4-methylpentyl)-cyclohexane

Reported by G. Williams Date 11/30/84

South Carolina Department of Health and Environmental Control

2600 Bull Street
Columbia, S.C. 29201

Commissioner
Robert S. Jackson, M.D.

MEMORANDUM

TO: Canady's Abandoned Drum Site File - Colleton County

FROM: Wilson C. Miles, Jr. WCM,Jr
Environmental Engineer
Bureau of Solid & Hazardous Waste Management

SUBJECT: Canady's Abandoned Drum Site Inspection - RCRA 3012 Program

DATE: July 19, 1984

On July 13, 1984 Charlie Strange, John Cresswell, and this writer, of the Central Office, met Gary Dukes and Fred Sanford of the Low Country District at the intersection of Highway 21 and Highway 61 at about 9:15 a.m. Gary Dukes, the district hazardous waste consultant proceeded to show us the site location.

Upon arrival at the site location, it became apparent that four drums containing an unknown material had been dumped in the ditch on the southern side of Highway 61, east of I-95 and west of Highway 15. At this time we decided to approach the site monitoring for both combustible gases and volatile organic vapors using the Combustible Gas Indicator/Oxygen Meter (CGI/O2 meter) and the HNU.

Use of the CGI/O2 meter yielded no deflection in either the atmosphere around the drums or in the space inside the drums. However, use of the HNU yielded a maximum of two (2) parts per million (ppm) in the area immediately around the drums and readings of up to five hundred (500) ppm inside the open drums using a spanpot setting of 2.5 (see attachment).

Use of the Drager tubes yielded a positive result in the benzene sensitive tube. The approximate measurement obtained from drum C was 10 ppm. It was during this time that Rick Tobin of the Walterboro weekly newspaper, Press & Standard, took photographs of the site inspection in progress.

After the initial monitoring was completed, sampling began to take place. One waste and two sediment samples were taken by this writer who was assisted by Charlie Strange.

Sample #1 (Can - 1) - waste sample from drum C
Sample #3 (Can - 3) - potentially contaminated sediment outside of drums A and D
Sample #2 (Can - 2) - background sample located off Highway 61 east of the site

Disposable trowels and scoops were used to put the sample into the containers. However, a glass drum thief was used to sample drum C. Disposable gloves were worn at all times during sampling and were changed between samples. Each sample was immediately placed on ice in a cooler.

The sampling of this site was performed between 10:50 and 11:10 a.m. The weather conditions were clear, humid, with little breeze. The temperature was near 90 (degrees Fahrenheit).

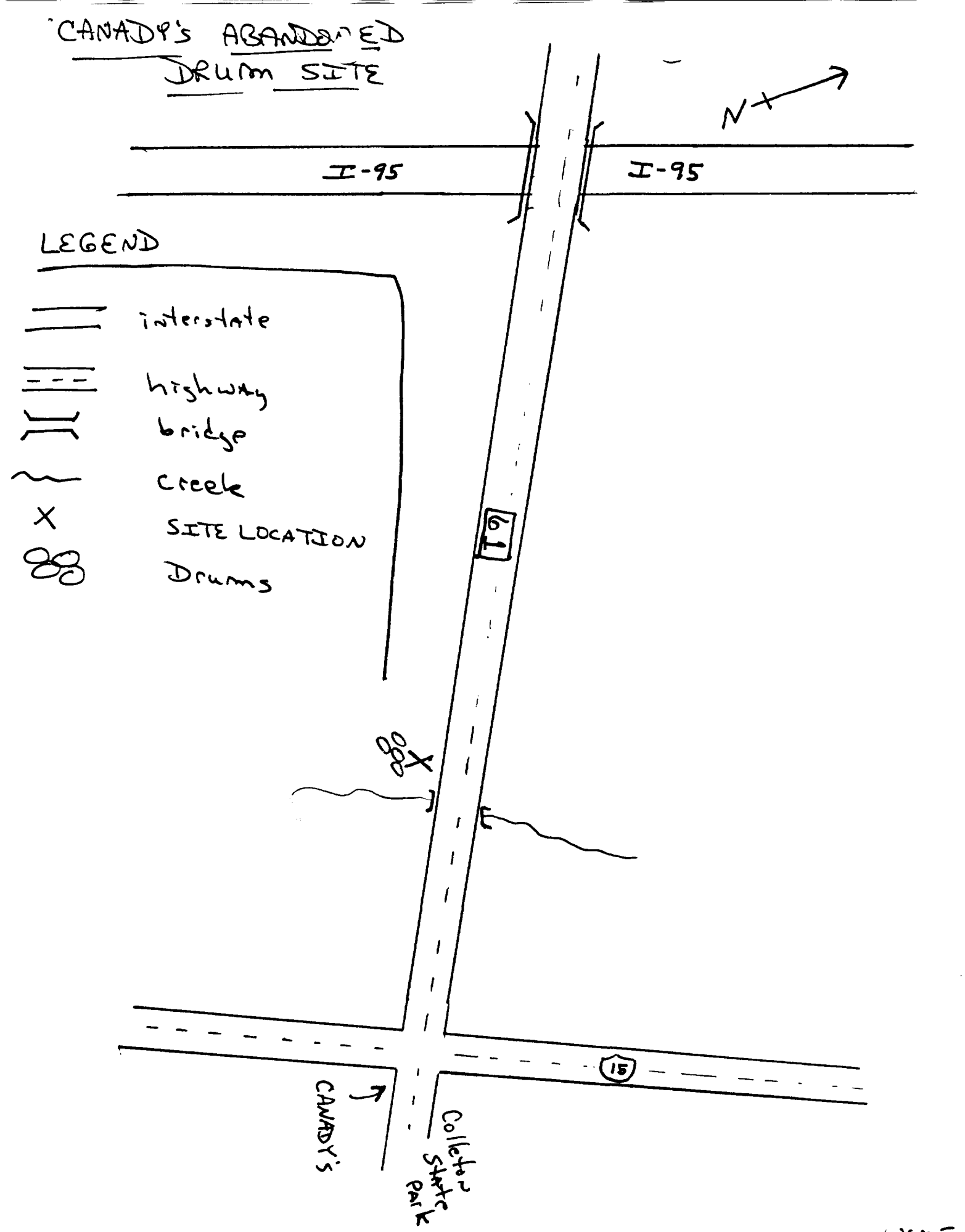
During the sampling, a park ranger (Colleton State Park) stopped by as well as a local property owner.

After all sampling took place, the samples were turned in to the DHEC Laboratory at 4:50 p.m. on July 13, 1984. The laboratory custodian, John Wheeler, checked samples in, accepted custody of the samples, and signed the chain of custody form. The analysis run on all samples are flashpoint, pH, metals (As, Ba, Cd, Cr, Pb, Mn, Hg, Ni, Se, Ag), volatile organics and acid-base-neutral extractables. The samples were held for E.P.

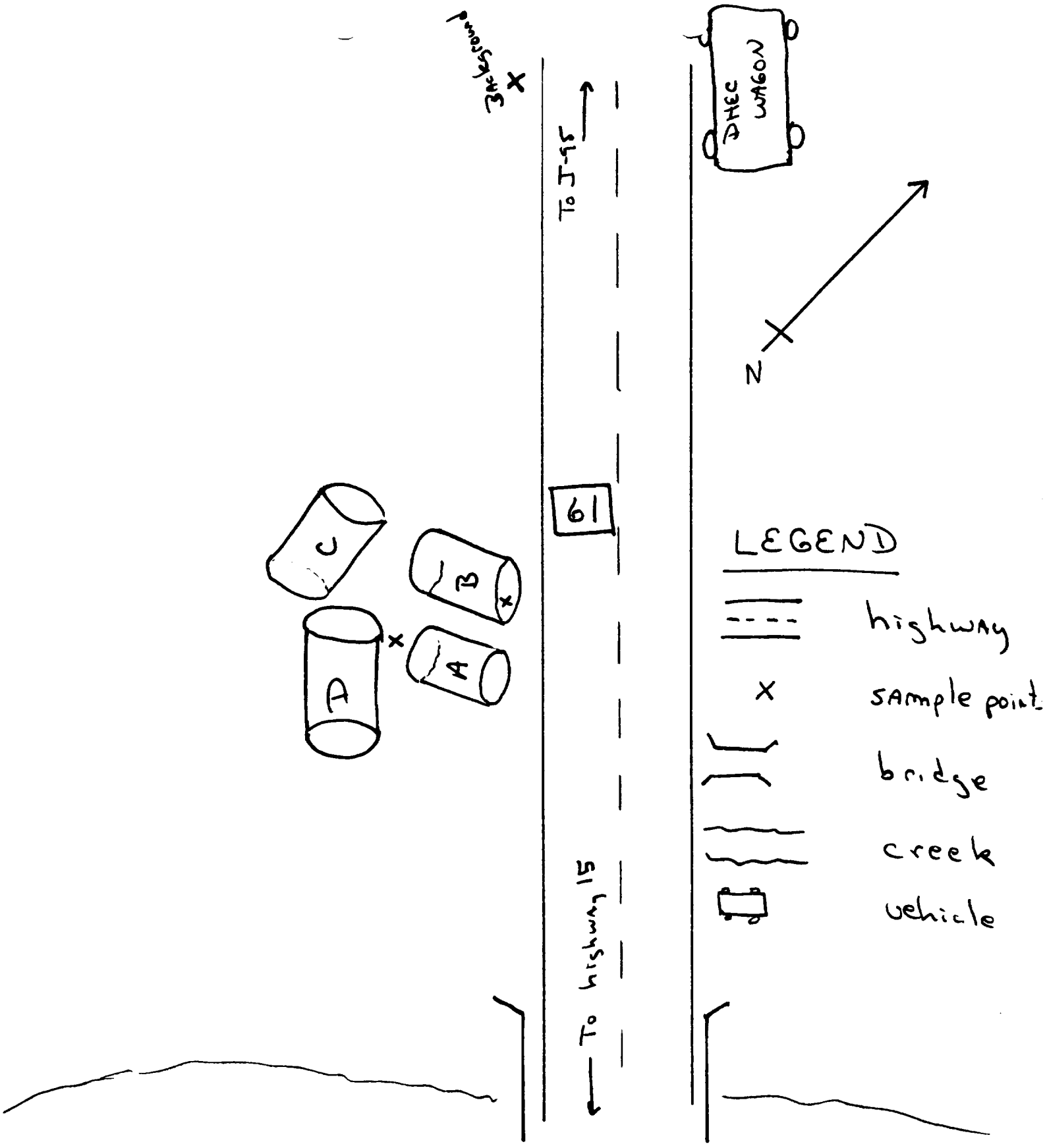
WCM:bes

cc: Gary Dukes, Low Country District
Bob Sentelle

CANADY'S ABANDONED DRUM SITE



WCMTE
7/18/84

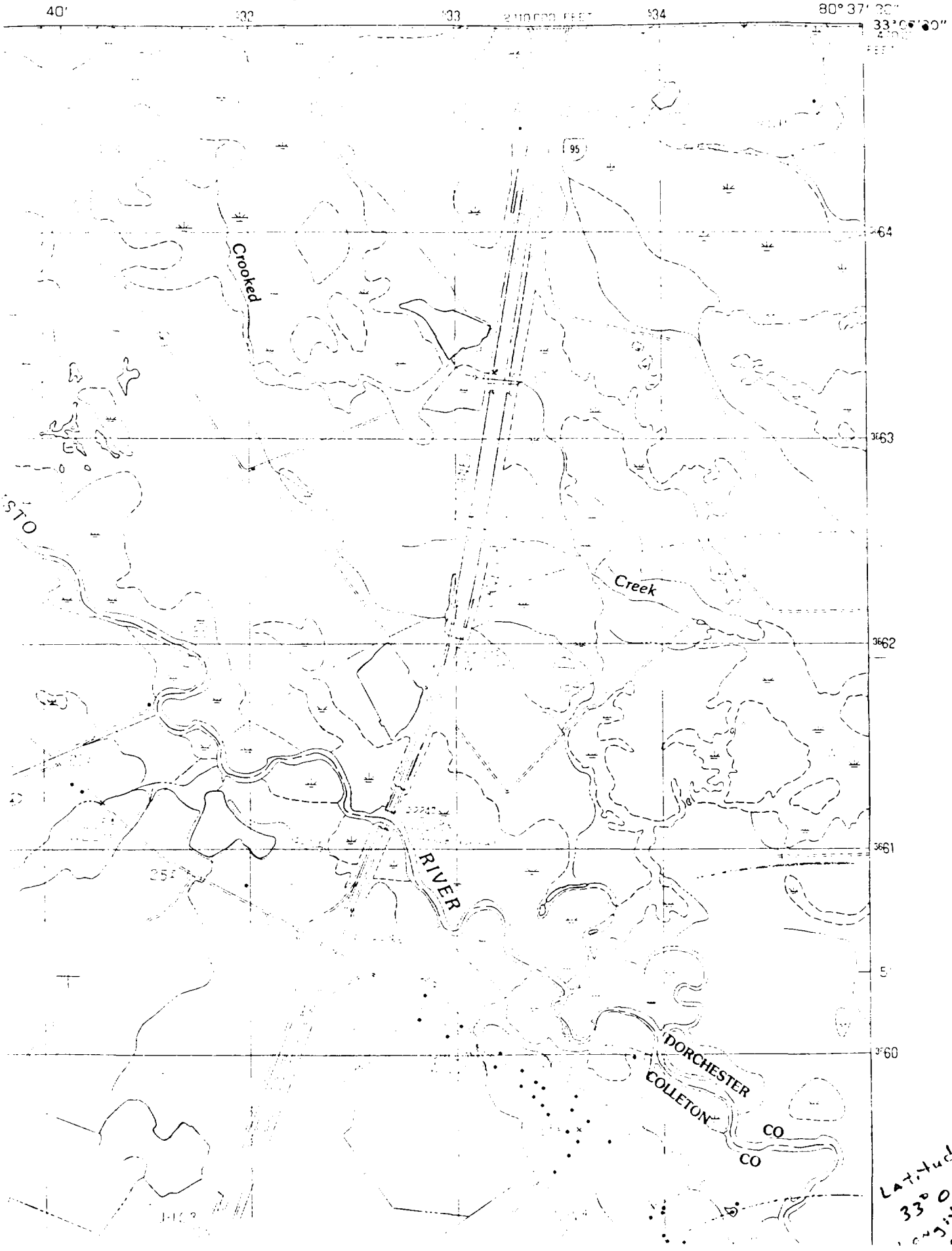


CANADY'S ABANDONED DRUM SITE

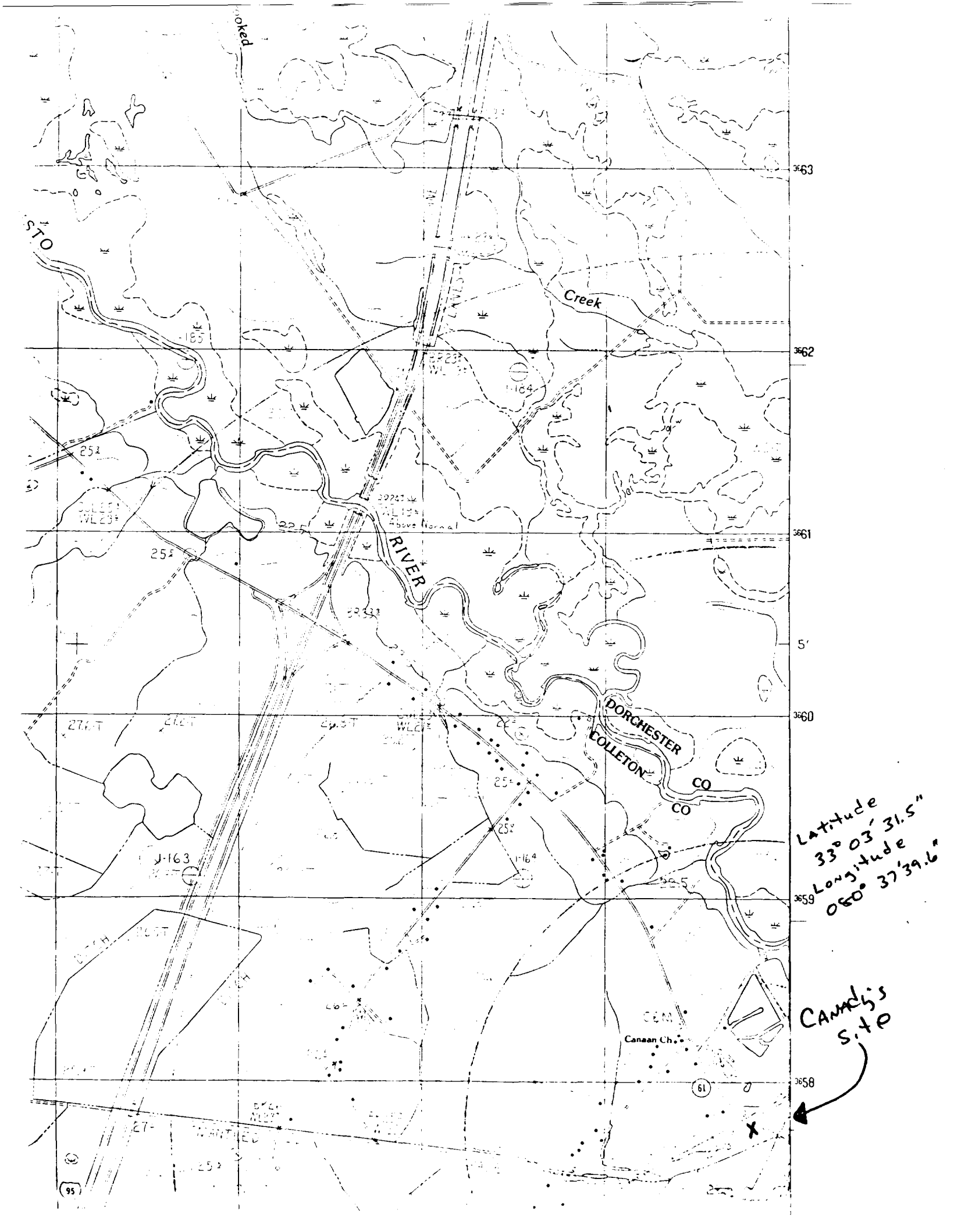
WCMJC
7/18/84

Quad reference →

ST. GEORGE SW QUADRANGLE
SOUTH CAROLINA
7.5 MINUTE SERIES (TOPOGRAPHIC)



Latitude
33° 03' 31.5"
Longitude
37'39.6


Creek
RIVER
DORCHESTER
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Latitude
33° 03' 31.5"
Longitude
080° 37'39.6"
CANADYS
S.TE

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
SC	980840631

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
Canady's Abandoned Drum Site	Hwy 61; 3/4 mile from Hwy 15 near SCE&G

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
Canadys	SC	29433	Colleton		

09 COORDINATES LATITUDE	LONGITUDE
33° 03' 31.5"	080° 37' 39.6"

10 TYPE OF OWNERSHIP (Check one)
☐ A. PRIVATE ☐ B. FEDERAL _____ XX C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER _____ ☐ G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION	02 SITE STATUS	03 YEARS OF OPERATION
7 / 13 / 84 (MONTH DAY YEAR)	☐ ACTIVE ☒ INACTIVE	1984 (BEGINNING YEAR) 1984 (ENDING YEAR) ___ UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply)
☐ A. EPA ☐ B. EPA CONTRACTOR _____ (Name of firm) ☐ C. MUNICIPAL ☐ D. MUNICIPAL CONTRACTOR _____ (Name of firm)
☒ E. STATE ☐ F. STATE CONTRACTOR _____ (Name of firm) ☐ G. OTHER _____ (Specify)

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO.
John K. Cresswell	Environmental Engineer	SCDHEC	803)758-5681
09 OTHER INSPECTORS Coleman Miles	10 TITLE Environmental Engineer	11 ORGANIZATION SCDHEC	12 TELEPHONE NO. 803)758-5681
Charles Strange	Environmental Manager	SCDHEC	803)758-5681
			( )
			( )
			( )

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO
None			( )
			( )
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
☒ PERMISSION ☐ WARRANT	9:15 a.m.	Hot & humid temperature in mid 90's.

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.
John Cresswell	EQC/SCDHEC	(803) 758-5681

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE
Wilson C. Miles, Jr.	EQC	SCDHEC	(803)758-5681	1 / 11 / 84 (MONTH DAY YEAR)

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
SC	980840631

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- [X] A. SOLID
- [ ] B. POWDER, FINES
- [ ] C. SLUDGE
- [ ] D. OTHER (Specify)
- [ ] E. SLURRY
- [X] F. LIQUID
- [ ] G. GAS

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)

TONS _____
CUBIC YARDS _____
NO. OF DRUMS 4

03 WASTE CHARACTERISTICS (Check all that apply)

- [X] A. TOXIC
- [ ] B. CORROSIVE
- [ ] C. RADIOACTIVE
- [X] D. PERSISTENT
- [ ] E. SOLUBLE
- [ ] F. INFECTIOUS
- [X] G. FLAMMABLE
- [X] H. IGNITABLE
- [X] I. HIGHLY VOLATILE
- [ ] J. EXPLOSIVE
- [ ] K. REACTIVE
- [ ] L. INCOMPATIBLE
- [ ] M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS	unknown		
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS	unknown		
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS	unknown		suspected

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
SOL	Toluene	108-88-3	illegal dumping	90.2	mg/kg
OOC	1,1,2,2-tetrachloroethane	127-18-5	illegal dumping	51.9	µg/kg
OOC	chlorobenzene	108-90-7	illegal dumping	55.0	µg/kg
SOL	Benzene	71-43-2	illegal dumping	5.4	mg/kg
OOC	3-chloro-1-propane	999	illegal dumping	-	-
OOC	2-octane	999	illegal dumping	-	-

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Sample analysis report.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
SC	980840631

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) — ☒ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 106 — 04 NARRATIVE DESCRIPTION
Drums are located in a ditch near possible discharge area.

01 ☒ B. SURFACE WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) — ☒ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 106 — 04 NARRATIVE DESCRIPTION
The drums are located in a wet weather ditch near a small stream and the drums are leaking.

01 ☐ C. CONTAMINATION OF AIR — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
N/A

01 ☒ D. FIRE/EXPLOSIVE CONDITIONS — 02 ☐ OBSERVED (DATE: _____) — ☒ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 120 — 04 NARRATIVE DESCRIPTION
The drums are located in a wet weather ditch on Highway 61. Access to the abandoned drums is uncontrolled. There is a potential for fire since the drums are leaking an unknown substance.

01 ☒ E. DIRECT CONTACT — 02 ☐ OBSERVED (DATE: _____) — ☒ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 120 — 04 NARRATIVE DESCRIPTION
Access to the abandoned drum site is uncontrolled and the drums are leaking.

01 ☒ F. CONTAMINATION OF SOIL — 02 ☒ OBSERVED (DATE: 7/10/84) — ☐ POTENTIAL — ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: 0.5 (Acres) — 04 NARRATIVE DESCRIPTION
Spillage has occurred around the abandoned drum site from the leaking drums.

01 ☒ G. DRINKING WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) — ☒ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 106 — 04 NARRATIVE DESCRIPTION
Residences in the area use groundwater as basic water supply.

01 ☐ H. WORKER EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
N/A

01 ☐ I. POPULATION EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
N/A

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE: SC | 02 SITE NUMBER: 980840631

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 [X] J. DAMAGE TO FLORA — 02 [X] OBSERVED (DATE: 7/10/84) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Flora from around the leaking drums has been contaminated.

01 ☐ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species)

N/A

01 ☐ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

N/A

01 [X] M. UNSTABLE CONTAINMENT OF WASTES (Spills/Runoff/Standing liquids, Leaking drums) — 02 [X] OBSERVED (DATE: 7/10/84) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 120 — 04 NARRATIVE DESCRIPTION

Drums present are leaking and has the potential for runoff.

01 ☐ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

N/A

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

N/A

01 [X] P. ILLEGAL/UNAUTHORIZED DUMPING — 02 [X] OBSERVED (DATE: 7/10/84) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Drums have been dumped along Highway 61 without authorization.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: 120

IV. COMMENTS

The greatest concern at this time is that the drums are leaking and that access to the abandoned site is uncontrolled.

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

State Files

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
SC	980840631

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
☐ A. NPDES				
☐ B. UIC				
☐ C. AIR				
☐ D. RCRA				
☐ E. RCRA INTERIM STATUS				
☐ F. SPCC PLAN				
☐ G. STATE (Specify)				
☐ H. LOCAL (Specify)				
☐ I. OTHER (Specify)				
☒ J. NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE
☐ A. SURFACE IMPOUNDMENT		
☐ B. PILES		
☒ C. DRUMS, ABOVE GROUND	4	55 gal.
☐ D. TANK, ABOVE GROUND		
☐ E. TANK, BELOW GROUND		
☐ F. LANDFILL		
☐ G. LANDFARM		
☐ H. OPEN DUMP		
☐ I. OTHER (Specify)		

04 TREATMENT (Check all that apply)

- ☐ A. INCENERATION
- ☐ B. UNDERGROUND INJECTION
- ☐ C. CHEMICAL/PHYSICAL
- ☐ D. BIOLOGICAL
- ☐ E. WASTE OIL PROCESSING
- ☐ F. SOLVENT RECOVERY
- ☐ G. OTHER RECYCLING/RECOVERY
- ☐ H. OTHER (Specify)

05 OTHER

- ☐ A. BUILDINGS ON SITE

06 AREA OF SITE

0.5 (Acres)

07 COMMENTS

Illegal dumping of drums has occurred.

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)

☐ A. ADEQUATE, SECURE ☐ B. MODERATE ☐ C. INADEQUATE, POOR ☒ D. INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.

Drums have apparently been rolled off a truck and upon impact with the ground have become cracked and/or burst open.

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ☒ YES ☐ NO

02 COMMENTS

Drums lie on the side of the road.

VI. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis, reports)

State Files, on-site inspection.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
SC	980840631

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY *(Check as applicable)*

	SURFACE	WELL
COMMUNITY	A. ☐	B. ☐
NON-COMMUNITY	C. ☐	D. ☒

02 STATUS

ENDANGERED	AFFECTED	MONITORED
A. ☐	B. ☐	C. ☐
D. ☐	E. ☐	F. ☒

03 DISTANCE TO SITE

A. _____ (mi)
B. 0.18 (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY *(Check one)*

☒ A. ONLY SOURCE FOR DRINKING ☐ B. DRINKING *(Other sources available)* COMMERCIAL, INDUSTRIAL, IRRIGATION *(No other water sources available)* ☐ C. COMMERCIAL, INDUSTRIAL, IRRIGATION *(Limited other sources available)* ☐ D. NOT USED, UNUSEABLE

02 POPULATION SERVED BY GROUND WATER 106

03 DISTANCE TO NEAREST DRINKING WATER WELL 0.18 (mi)

04 DEPTH TO GROUNDWATER	05 DIRECTION OF GROUNDWATER FLOW	06 DEPTH TO AQUIFER OF CONCERN	07 POTENTIAL YIELD OF AQUIFER	08 SOLE SOURCE AQUIFER
3-5 (ft)	NNE	3-5 (ft)	28,800 (gpd)	☐ YES ☒ NO

09 DESCRIPTION OF WELLS *(Including useage, depth, and location relative to population and buildings)*

Information about the useage of the shallow water aquifer, which is the likely source for the closest dwelling to the site, is unavailable. Potable wells utilizing the tertiary limestone aquifer (Canady's Steam Plant) and Colleton State Park, average depth of 375 feet are 0.4 miles away from the site.

10 RECHARGE AREA		11 DISCHARGE AREA	
☒ YES ☐ NO	COMMENTS Recharge is to the shallow water (table) aquifer.	☒ YES ☐ NO	COMMENTS Site is located approx. 25 ft. from a stream that would act as a point of discharge.

IV. SURFACE WATER

01 SURFACE WATER USE *(Check one)*

☐ A. RESERVOIR, RECREATION DRINKING WATER SOURCE ☒ B. IRRIGATION, ECONOMICALLY IMPORTANT RESOURCES ☐ C. COMMERCIAL, INDUSTRIAL ☐ D. NOT CURRENTLY USED

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME:	AFFECTED	DISTANCE TO SITE
Edisto River (potential)	☐	0.55 (mi)
intermediate stream (potential)	☐	adjacent (mi)
	☐	(mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN

ONE (1) MILE OF SITE	TWO (2) MILES OF SITE	THREE (3) MILES OF SITE
A. 225 NO. OF PERSONS	B. 578 NO. OF PERSONS	C. 741 NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION

0.13 (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE

152

04 DISTANCE TO NEAREST OFF-SITE BUILDING

0.13 (mi) (600 ft.)

05 POPULATION WITHIN VICINITY OF SITE *(Provide narrative description of nature of population within vicinity of site, e.g., rural, village, densely populated urban area)*

Sparsely populated rural area. Only a few areas have a grouping of residences with only a few churches in the area (3 mile). Of importance also is the proximity of Colleton State Park (0.75 miles). Within 0.25 miles there are about 8 persons and within 0.50 miles there are about 80 persons.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
SC	980840631

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

☐ A. $10^{-6} - 10^{-8}$ cm/sec ☐ B. $10^{-4} - 10^{-6}$ cm/sec ☐ C. $10^{-4} - 10^{-3}$ cm/sec ☒ D. GREATER THAN 10^{-3} cm/sec

02 PERMEABILITY OF BEDROCK (Check one)

☐ A. IMPERMEABLE (Less than 10^{-5} cm/sec) ☒ B. RELATIVELY IMPERMEABLE ($10^{-4} - 10^{-6}$ cm/sec) ☐ C. RELATIVELY PERMEABLE ($10^{-2} - 10^{-4}$ cm/sec) ☐ D. VERY PERMEABLE (Greater than 10^{-2} cm/sec)

03 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SOIL pH	
2,000 (ft)	unknown (ft)	very strongly	acid

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE		
		SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
48-49 (in)	3.5 (in)	2.5 %	East	0-2 %

09 FLOOD POTENTIAL
SITE IS IN See 14 ** YEAR FLOODPLAIN

10
☒ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTUARINE	OTHER
A. (mi)	B. 0.00001 (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)

N/A (mi)

ENDANGERED SPECIES: N/A

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL	RESIDENTIAL AREAS; NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS	
		PRIME AG LAND	AG LAND
A. 0.4 (mi)	B. 0.18 (mi)	C. 0.076 (mi)	D. (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

** Site is in flood-prone area of the Edisto River as designated by the 1984 U.S.G.S.

The site is located approximately 25 feet from a stream which flows north to the Edisto River. The topography is flat including the marsh-swamp complex developed along the Edisto River. Soil maps and aerial photos indicate area is extensively farmed.

VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

State Files (memo dated 12/20/84 from Stan Clark, GWPD

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
SC	980840631

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER			
SURFACE WATER			
WASTE	1	SCDHEC Lab	12/84
AIR			
RUNOFF			
SPILL			
SOIL	2	SCDHEC Lab	12/84
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS
H-NU	Reading with spanpot set at 2.5 of 500 ppm (inside drum)
H-NU	Reading with spanpot set at 2.5 of 2 ppm (outside drum in genera area)
Drager Tube	10 ppm from benzene sensitive tube

IV. PHOTOGRAPHS AND MAPS

01 TYPE ☒ GROUND ☐ AERIAL

02 IN CUSTODY OF ~~Bureau of Solid & Hazardous Waste Management~~ (Name of organization or individual)

03 MAPS
XX YES
☐ NO

04 LOCATION OF MAPS
SCDHEC - Central Office

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

Combustible Gas Indicator - no detection
Oxygen meter - no detection

VI. SOURCES OF INFORMATION (Cite specific references, e g , state files, sample analysis, reports)

State Files

EPA FORM 2070-13 (7-81)

South Carolina Department of Health and Environmental Control

2600 Bull Street
Columbia, S.C. 29201

Commissioner
Robert S. Jackson, M.D.

MEMORANDUM

TO: US EPA, Region IV
345 Courtland St.
Atlanta, GA 30365

FROM: RCRA 3012 Program
SC DHEC
Bureau of Solid & Hazardous Waste Management
2600 Bull Street
Columbia, SC 29201

SUBJECT: Canady's Abandoned Drum Site - Site Inspection Report

DATE: January 21, 1985

I. EXECUTIVE SUMMARY

The Canady's Abandoned Drum Site near Canadys in Colleton County is the location of the illegal dumping of four (4) drums of unknown contents. The drums had apparently been off loaded from some transportation vehicle by simply shoving them off the bed and letting them roll to the bottom of the wet weather ditch, crushing some and leaving others burst open and leaking contents on the surrounding area. The drums were located adjacent to an intermittent stream. A site investigation was conducted by the Site Screening & Engineering Section of SC DHEC on July 13, 1984. The site is located northwest of Canadys intersection. Three samples were taken: one of the waste, one of some potentially contaminated soil and one background located east of the site. On August 1, 1984, all existing drums as well as some contaminated soil were removed from the site by a contractor for the State, namely SCA Services out of Pinewood, S.C. At this time, the leaking drums were overpacked along with existing contaminated soil.

II. BACKGROUND

A. Location

The Canadys Abandoned Drum Site is located near SCE&G next to an intermittent stream on the south side of Highway 61 about 0.75 mile west of Canadys intersection (Highway 61 and Highway 15 intersection). The coordinates of the site are latitude 33 degrees 3 minutes and 31.5 seconds and longitude 80 degrees 37 minutes and 39.6 seconds. The closest address for this site would be Canadys, S.C. 29433.

B. Site Layout

The site is located at the bottom and along the side of the south side portion of the Highway 61 wet weather ditch. It is bordered on the east by an intermittent stream, on the north by Highway 61, and to the south by foliage. The site covers an area of less than 0.5 acres. The nearest drinking water well is 0.18 mile from the site. The Edisto River is located about 0.55 mile due north of the site. The nearest population is about 600 feet away. The site is in a sparsely populated area with only eight (8) persons within 0.25 mile and eighty (80) persons within 0.50 mile. The topography is flat including the marsh-swamp complex developed along the Edisto River. The area is extensively farmed.

C. Ownership History

The property on which the waste was illegally dumped is public property in the form of a storm drainage system for Highway 61.

D. Site Use History

The function of the area known as Canady's Abandoned Drum Site is for drainage of water from Highway 61.

E. Permit and Regulatory History

The Department has never issued a permit for disposal of any kind at this site.

F. Remedial Actions to Date

Some remedial action has taken place subsequent to the site inspection on July 13, 1984. SCA Services (contractor for the State) arrived on-site removing spilled material and contaminated soil on August 1, 1984. Waste still present in leaking drums were overpacked and was taken to the SCA Landfill in Pinewood, S.C. to await approval by the State for disposal. Prior to the arrival of SCA, DHEC personnel placed a warning tape around the site to discourage entry.

G. Summary Trip Report

On July 13, 1984 Charlie Strange, John Cresswell, and the writer, all of the Central Office, met Gary Dukes and Fred Sanford of the Low Country District Office. Our purpose in going was to investigate the hazards present in and around the illegally disposed of drums. The site was monitored for both combustible gases and volatile organics using the Combustible Gas Indicator/Oxygen Meter (CGI/102 meter), the H-NU, and Drager tubes. The only positive results were found using the H-NU (at a spanpot setting of 2.5 a reading of 500 ppm was measured inside the open drums) and the benzene sensitive Drager tube (a 10 ppm measurement of benzene was found in one of the open drums). During the site inspection, we were approached by a representative of a local weekly newspaper. One waste, one potentially contaminated sediment, and one background sediment sample were taken. The samples were analyzed for the following parameters: flashpoint, pH, metals (As, Ba, Cd, Cr, Pb, Mn, Hg, Ni, Se, Ag), volatile organics and acid base neutral extractables. The samples were deposited at the Central Laboratory in Columbia, S.C., maintaining chain of custody. Photographs were taken to maintain a record of sampling and site specific information.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
SC	980840631

II. CURRENT OWNER(S)

01 NAME	02 D+B NUMBER
Public Property	
03 STREET ADDRESS (P O Box, RFD #, etc)	04 SIC CODE
05 CITY / 06 STATE / 07 ZIP CODE	
01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P O Box, RFD #, etc)	04 SIC CODE
05 CITY / 06 STATE / 07 ZIP CODE	
01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P O Box, RFD #, etc)	04 SIC CODE
05 CITY / 06 STATE / 07 ZIP CODE	
01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P O Box, RFD #, etc.)	04 SIC CODE
05 CITY / 06 STATE / 07 ZIP CODE	

PARENT COMPANY (If applicable)

08 NAME	09 D+B NUMBER
10 STREET ADDRESS (P O Box, RFD #, etc)	11 SIC CODE
12 CITY / 13 STATE / 14 ZIP CODE	
08 NAME	09 D+B NUMBER
10 STREET ADDRESS (P O Box, RFD #, etc)	11 SIC CODE
12 CITY / 13 STATE / 14 ZIP CODE	
08 NAME	09 D+B NUMBER
10 STREET ADDRESS (P O Box, RFD #, etc.)	11 SIC CODE
12 CITY / 13 STATE / 14 ZIP CODE	
08 NAME	09 D+B NUMBER
10 STREET ADDRESS (P O Box, RFD #, etc.)	11 SIC CODE
12 CITY / 13 STATE / 14 ZIP CODE	

III. PREVIOUS OWNER(S) (List most recent first)

01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P O Box, RFD #, etc.)	04 SIC CODE
05 CITY / 06 STATE / 07 ZIP CODE	
01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P O Box, RFD #, etc)	04 SIC CODE
05 CITY / 06 STATE / 07 ZIP CODE	
01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P O Box, RFD #, etc)	04 SIC CODE
05 CITY / 06 STATE / 07 ZIP CODE	

IV. REALTY OWNER(S) (If applicable, list most recent first)

01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc)	04 SIC CODE
05 CITY / 06 STATE / 07 ZIP CODE	
01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY / 06 STATE / 07 ZIP CODE	
01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc)	04 SIC CODE
05 CITY / 06 STATE / 07 ZIP CODE	

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

State Files

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
SC	980840631

II. CURRENT OPERATOR *(Provide if different from owner)*

01 NAME	02 D+B NUMBER
None	

03 STREET ADDRESS *(P.O. Box, RFD #, etc.)*	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER

OPERATOR'S PARENT COMPANY *(If applicable)*

10 NAME	11 D+B NUMBER

12 STREET ADDRESS *(P.O. Box, RFD #, etc.)*	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

III. PREVIOUS OPERATOR(S) *(List most recent first; provide only if different from owner)*

01 NAME	02 D+B NUMBER
None	

03 STREET ADDRESS *(P.O. Box, RFD #, etc.)*	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

PREVIOUS OPERATORS' PARENT COMPANIES *(If applicable)*

10 NAME	11 D+B NUMBER

12 STREET ADDRESS *(P.O. Box, RFD #, etc.)*	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

01 NAME	02 D+B NUMBER

03 STREET ADDRESS *(P.O. Box, RFD #, etc.)*	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

10 NAME	11 D+B NUMBER

12 STREET ADDRESS *(P.O. Box, RFD #, etc.)*	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

01 NAME	02 D+B NUMBER

03 STREET ADDRESS *(P.O. Box, RFD #, etc.)*	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

10 NAME	11 D+B NUMBER

12 STREET ADDRESS *(P.O. Box, RFD #, etc.)*	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

IV. SOURCES OF INFORMATION *(Cite specific references, e.g., state files, sample analysis, reports)*

State Files; interview with district consultant.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
SC	980840631

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER
None	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE

III. OFF-SITE GENERATOR(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
None			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

IV. TRANSPORTER(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
None			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

State Files, district consultant

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
SC	980840631

II. PAST RESPONSE ACTIVITIES

01 ☐ A. WATER SUPPLY CLOSED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ B. TEMPORARY WATER SUPPLY PROVIDED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ C. PERMANENT WATER SUPPLY PROVIDED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ D. SPILLED MATERIAL REMOVED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ E. CONTAMINATED SOIL REMOVED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ F. WASTE REPACKAGED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ G. WASTE DISPOSED ELSEWHERE — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ H. ON SITE BURIAL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ I. IN SITU CHEMICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ J. IN SITU BIOLOGICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ K. IN SITU PHYSICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ L. ENCAPSULATION — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ M. EMERGENCY WASTE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ N. CUTOFF WALLS — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ O. EMERGENCY DIKING/SURFACE WATER DIVERSION — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ P. CUTOFF TRENCHES/SUMP — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ Q. SUBSURFACE CUTOFF WALL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
SC	980840631

II PAST RESPONSE ACTIVITIES *(Continued)*

01 ☐ R. BARRIER WALLS CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ S. CAPPING/COVERING — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ T. BULK TANKAGE REPAIRED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ U. GROUT CURTAIN CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ V. BOTTOM SEALED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ W. GAS CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ X. FIRE CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ Y. LEACHATE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ Z. AREA EVACUATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ 1. ACCESS TO SITE RESTRICTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ 2. POPULATION RELOCATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☒ 3. OTHER REMEDIAL ACTIVITIES — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

No remedial activities had taken place as of the initial site inspection; however, since the site inspection, all drums and some contaminated soil have been removed.

III. SOURCES OF INFORMATION *(Cite specific references, e.g., state files, sample analysis, reports)*

State Files

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
SC	980840631

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ☐ YES XXNO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

State Files

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Environmental Quality Control
Analytical Services Data Sheet for Solid Waste and Hydrology

Sample Location Canady's Site County Colleton

Sample Type grab Comments Hold for E.P.

Date 7-13-84 Collected by Coleman Miles + Charles Strange

An "X" in the small column indicates test requested

Time Collected (Milit.)								
Sample Point	CAN-1	CAN-2	CAN-3		CAN-1	CAN-2	CAN-3
Lab No.	10:50	11:05	11:10		10:50	11:05	11:10
NH_3-N, mg/l				Calcium			
NO_3/NO_2-N, mg/l				Magnesium			
TKN				Sodium			
Nitrite, N, mg/l				Potassium			
T-P,				Arsenic	X **	X *	X *
Hardness, mg/l				Barium	X **	X	X
Cl, mg/l				Cadmium	X **	X	X
SO_4 mg/l				Chromium	X **	X	X
Flashpoint, °F	X [illegible]	X 115	X 120	Copper			
Solids, Total, mg/l				Iron			
Solids, Tot. Diss, mg/l				Lead	X **	X	X
Solids, %				Manganese	X **	X	X
pH	X [illegible]	X [illegible]	X [illegible]	Mercury	X **	X	X
Alkalinity mg/l				Nickel	X **	X	X
Fluoride, mg/l				Selenium	X **	X	X
TOC				Silver	X **	X	X
Phenols, µg/l				Zinc			
COD							
Cyanide, mg/l							
MBAS, mg/l				Remarks:			

*Unable to analyze due to low flashpoint

**Results to be released at a later date.

Date Received in Regional Laboratory _____ by _____

Date Released from Regional Laboratory _____ by _____

Date Received in Central Laboratory [illegible] by _____

Date Released from Spec & A. A. Section _____ by _____

Date Released from Metals Section 7/30/84 by AM Thompson

DHEC 40-89 (01/81) White - Program; Yellow - Program; Pink - Program; Gold - Lab

SOUTH CAROL[illegible]PARTMENT OF HEALTH AND ENVIRON[illegible]ITAL CONTROL
Environmental Quality Control
Analytical Services Data Sheet for Solid Waste and Hydrology

Sample Location CANADY'S SITE County COLLETON

Sample Type GRAB Comments HOLD FOR EP

Date 7/13/84 Collected by COLEMAN MILES & CHARLES STRANGE

An "X" in the small column indicates test requested

Time Collected (Milit.)								
Sample Point						CAN-1		
Lab No.						SW 19		
NH_3-N, mg/l				Calcium				
NO_3/NO_2-N, mg/l				Magnesium				
TKN				Sodium				
Nitrite, N, mg/l				Potassium				
T-P,				Arsenic	x	*		
Hardness, mg/l				Barium	x			
Cl, mg/l				Cadmium	x			
SO_4 mg/l				Chromium	x			
Flashpoint, °F	90°F			Copper				
Solids, Total, mg/l				Iron				
Solids, Tot. Diss, mg/l				Lead	x			
Solids, %				Manganese	x			
pH				Mercury	x			
Alkalinity mg/l				Nickel	x			
Fluoride, mg/l				Selenium	x			
TOC				Silver	x			
Phenols, µg/l				Zinc				
COD								
Cyanide, mg/l								
MBAS, mg/l				Remarks: *Could not be analyzed due to low flashpoint				

Date Received in Regional Laboratory _____ by _____

Date Released from Regional Laboratory _____ by _____

Date Received in Central Laboratory XXXXX 07/13/84 by JDW

Date Released from Spec & A. A. Section _____ by _____

Date Released from Metals Section 8/14/84 by [illegible]

DHEC 40-89 (01/81) White - Program; Yellow - Program; Pink - Program; Gold - Lab

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Environmental Quality Control
Analytical Services Data Sheet for Organic Compounds in Solid Waste and Hydrology Samples

Sample Location Canady's Site County Colleton

Sample Type grab Comments

Date 7-13-84 Collected By Coleman Miles + Charles Strange

An "X" in the small column indicates test requested.

Time Collected (Milit.)		19	[illegible]	21
Station No.		CAN-1	CAN-2	CAN-3
Lab. No.		10,50	11:05	11:10
Chlorinated hydrocarbons, µg/l				
Endrin, mg/l				
Lindane, mg/l				
Methoxychlor, mg/l				
Toxaphene, mg/l				
Organophosphates, µg/l				
PCBs, µg/l				
Other				
Volatile organics	X	***	**	**
Acid base Neutral Extractables	X	@	SEE ATTACHED	SEE ATTACHED

Comments **Results reported 08/13/84.

***Results reported 09/26/84.

@ Results reported 11/15/84.

Date Received in Regional Laboratory _____ By _____

Date Released from Regional Laboratory _____ By _____

Date Received in Central Laboratory _____ By _____

Date Released from Organic Section 11/30/84 By [signature]

White--Program; Yellow--Program; Pink--Lab; Gold--Program

DHEC 40-90 (09/81)

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
ANALYTICAL SERVICES DIVISION

REPORT OF ORGANIC ANALYSIS

Sample Location: CANADY'S SITE — Sample Type: WASTE

Date of Collection: 07/13/84 — Collected by: COLEMAN/MILES

Sample Number: SW 19

VOLATILE ORGANICS:

1)	benzene	5.4 mg/kg
2)	toluene	90.2 mg/kg
3)	5-methyl-1H-tetraazole	
4)	methyl cyclopentane	
5)	1,1-dimethyl cyclopentane	
6)	(chloromethyl) benzene	
7)	bicyclo\2.2.2\octane	
8)	cis-octahydro-pentalene	
9)	cis-1,2-dimethyl-cyclohexane	
10)	1-propyl spiropentane	
11)	2-octyne	
12)	ethyl cyclohexane	
13)	tricyclo\3.3.1.13,7\decane	
14)	cis-1,3-dimethyl-cyclohexane	
15)	1,1,3-trimethyl cyclohexane	
16)	1-methyl-octahydro-pentalene	
17)	1,3,5-trimethyl-(1.alpha., 3.alpha., 5 alpha.)-cyclohexane	
18)	1.2.3-trimethyl cyclohexane	
19)	propyl ester/cyanic acid	
20)	benzene carbothioic acid	

Reported by B. Williams Date 9/7/84

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
ANALYTICAL SERVICES DIVISION

REPORT OF ORGANIC ANALYSIS

Sample Location: CANADY'S SITE

Sample Type: SEDIMENT

Date of Collection: JULY 13, 1984

Collected by: MILES STRANGE

Sample Number: SW 20, SW 21

SW 20 -- VOLATILE ORGANICS:	1) toluene	21.6 µg/kg
	2) 1,1,2,2-tetrachloroethane	26.5 µg/kg
	3) 3-chloro-1-propene	
	4) 1-(2-propenyloxy)-heptane	
	5) 1,3-dimethyl-benzene	

SW 21 -- VOLATILE ORGANICS:	1) 1,1,2,2-tetrachloroethane	51.9 µg/kg
	2) toluene	36.9 µg/kg
	3) chlorobenzene	55.0 µg/kg
	4) 5-methyl-1H-tetrazole	
	5) methyl-cyclohexane	
	6) Bicyclo\3.2.1\octane	
	7) cis-octahydro-pentalene	
	8) 1,1-dimethyl-cyclohexane	
	9) 2,4-dimethyl-3-pentanone	
	10) cis-1,2-dimethyl-cyclohexane	
	11) 2-octyne	
	12) ethyl-cyclohexane	
	13) 1,1'-ethylidene bis-cyclopentane	
	14) 2,3,4,5,6,7-hexahydro-1H-inden-1-one	
	15) 1,1,3-trimethyl-cyclohexane	
	16) cis-octahydro-1H-indene	
	17) (1.α.,3.α.,5.α)-1,3,5-trimethyl-cyclohexane	
	18) cyanicacid, propylester	

Reported by A. Williams Date 8/13/84

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
ANALYTICAL SERVICES DIVISION

REPORT OF ORGANIC ANALYSIS

Sample Location: CANADY'S SITE

Sample Type: GRAB

Date of Collection: JULY 13, 1984

Collected by: MILES & STRANGE

Sample Number: SW 19

BASE-NEUTRAL/ACID EXTRACTABLES:

(1) 2,3-dimethyl-cyclobutane
(2) 1-bromo-4-methyl-cyclohexane
(3) 2,4-dimethyl hexane
(4) trans-1-methyl-2-(2-propenyl)cyclopentane
(5) 2,2,3,3-tetramethyl pentane
(6) propyl cyclohexane
(7) 2,6-dimethyl-octane
(8) 4-(1-methyl ethyl)-heptane
(9) 3-ethyl-2-methyl-heptane
(10) 1-ethyl-2-methyl-benzene
(11) 2,3,4,5-tetrahydropyridine
(12) 1,2,3-trimethyl benzene
(13) 5-ethyl-2-methyl-heptane
(14) 2-bromo-octane
(15) alpha-methyl-benzene acetaldehyde
(16) trans-decahydro-naphthalene
(17) 1-methyl-2-(1-methylethyl)-benzene
(18) 1-bromo-4-methyl-cyclohexane
(19) 2,2,3,3-tetramethyl hexane
(20) 2-methyl-undecane
(21) 3-bromo-decane
(22) tridecane
(23) 4-ethyl-5-methyl-thiazole
(24) 2-methyl-butylester-propanoic acid
(25) undecane
(26) 2,3-dihydro-3-methyl-1H-iden-1-one
(27) decahydro-1,1,7-trimethyl-4-methylene-1AR-(1H-cycloprop)-E-azulene
(28) methylester, 2-5-octadecadiynoicacid
(29) 2-methyl-3,5-dodecadiyne
(30) 1-(1,1-dimethyl ethyl)-3-methyl-benzene

Reported by A. Williams Date 11/15/84

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
ANALYTICAL SERVICES DIVISION

REPORT OF ORGANIC ANALYSIS

Sample Location: CANADY'S SITE

Sample Type: GRAB

Date of Collection: 07/13/84

Collected by: MILES & STRANGE

Sample Number: SW 20, SW 21

SW 20 -- BASE NEUTRAL/ACID EXTRACTABLES:

(1) 3,5-bis(1,1-dimethylethyl)-phenol
(2) 2-methyl-1-(1-dimethylethyl)-2-methyl-1,3-propan-propanoic acid
(3) N,N-diphenyl-hydrazinecarboxamide
(4) 5,7-dimethyl-undecane

SW 21 -- BASE NEUTRAL/ACID EXTRACTABLES:

(1) 2-propyl-1-heptanol
(2) 3,5-dimethyl-octane
(3) 4-methyl-2-propyl-1-pentanol
(4) O-decyl-hydroxylamine
(5) 2-methyl-nonane
(6) 3-methyl-nonane
(7) 2-methyl-4-(2-methyl propyl)-cyclopentanone
(8) decane
(9) 5-ethyl-2-methyl-heptane
(10) 4-methyl-5-propyl-nonane
(11) 2-methyl-decane
(12) 5-(1-methyl propyl)-nonane
(13) 2-propyl-1-heptanol
(14) heptyl hexyl ether
(15) decahydro-2-methyl-napthalene
(16) (4-methylpentyl)-cyclohexane

Reported by G. Williams Date 11/30/84

South Carolina Department of Health and Environmental Control

2600 Bull Street
Columbia, S.C. 29201

Commissioner
Robert S. Jackson, M.D.

MEMORANDUM

TO: Canady's Abandoned Drum Site File - Colleton County

FROM: Wilson C. Miles, Jr. WCM,Jr
Environmental Engineer
Bureau of Solid & Hazardous Waste Management

SUBJECT: Canady's Abandoned Drum Site Inspection - RCRA 3012 Program

DATE: July 19, 1984

On July 13, 1984 Charlie Strange, John Cresswell, and this writer, of the Central Office, met Gary Dukes and Fred Sanford of the Low Country District at the intersection of Highway 21 and Highway 61 at about 9:15 a.m. Gary Dukes, the district hazardous waste consultant proceeded to show us the site location.

Upon arrival at the site location, it became apparent that four drums containing an unknown material had been dumped in the ditch on the southern side of Highway 61, east of I-95 and west of Highway 15. At this time we decided to approach the site monitoring for both combustible gases and volatile organic vapors using the Combustible Gas Indicator/Oxygen Meter (CGI/02 meter) and the HNU.

Use of the CGI/02 meter yielded no deflection in either the atmosphere around the drums or in the space inside the drums. However, use of the HNU yielded a maximum of two (2) parts per million (ppm) in the area immediately around the drums and readings of up to five hundred (500) ppm inside the open drums using a spanpot setting of 2.5 (see attachment).

Use of the Drager tubes yielded a positive result in the benzene sensitive tube. The approximate measurement obtained from drum C was 10 ppm. It was during this time that Rick Tobin of the Walterboro weekly newspaper, Press & Standard, took photographs of the site inspection in progress.

After the initial monitoring was completed, sampling began to take place. One waste and two sediment samples were taken by this writer who was assisted by Charlie Strange.

Sample #1 (Can - 1) - waste sample from drum C
Sample #3 (Can - 3) - potentially contaminated sediment outside of drums A and D
Sample #2 (Can - 2) - background sample located off Highway 61 east of the site

Disposable trowels and scoops were used to put the sample into the containers. However, a glass drum thief was used to sample drum C. Disposable gloves were worn at all times during sampling and were changed between samples. Each sample was immediately placed on ice in a cooler.

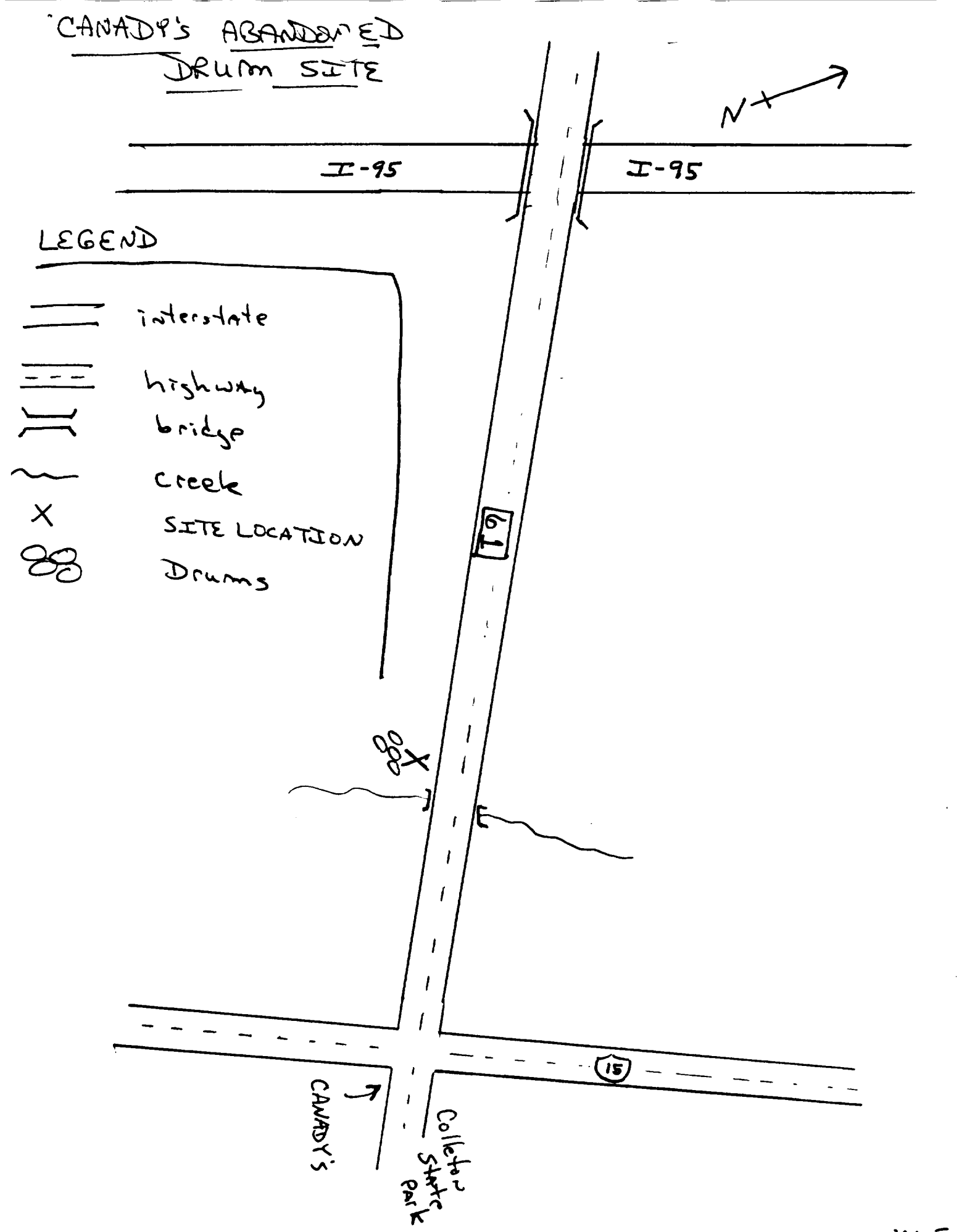
The sampling of this site was performed between 10:50 and 11:10 a.m. The weather conditions were clear, humid, with little breeze. The temperature was near 90 (degrees Fahrenheit).

During the sampling, a park ranger (Colleton State Park) stopped by as well as a local property owner.

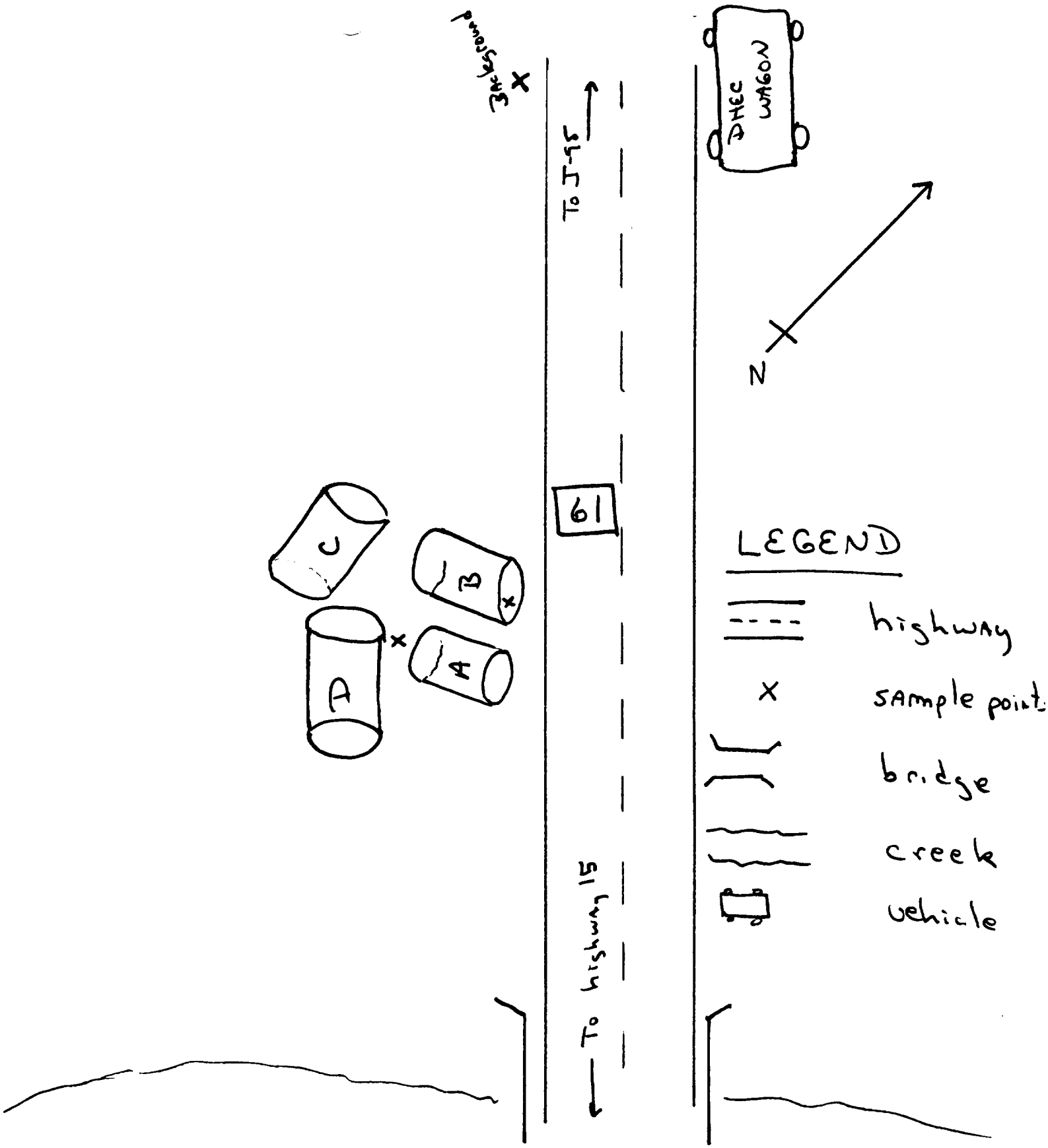
After all sampling took place, the samples were turned in to the DHEC Laboratory at 4:50 p.m. on July 13, 1984. The laboratory custodian, John Wheeler, checked samples in, accepted custody of the samples, and signed the chain of custody form. The analysis run on all samples are flashpoint, pH, metals (As, Ba, Cd, Cr, Pb, Mn, Hg, Ni, Se, Ag), volatile organics and acid-base-neutral extractables. The samples were held for E.P.

WCM:bes

cc: Gary Dukes, Low Country District
Bob Sentelle


CANADY'S ABANDONED DRUM SITE
N
I-95
I-95
LEGEND
interstate
highway
bridge
creek
SITE LOCATION
Drums
19
15
CANADY'S
Colletor
State
Park

WCMJE
7/18/84

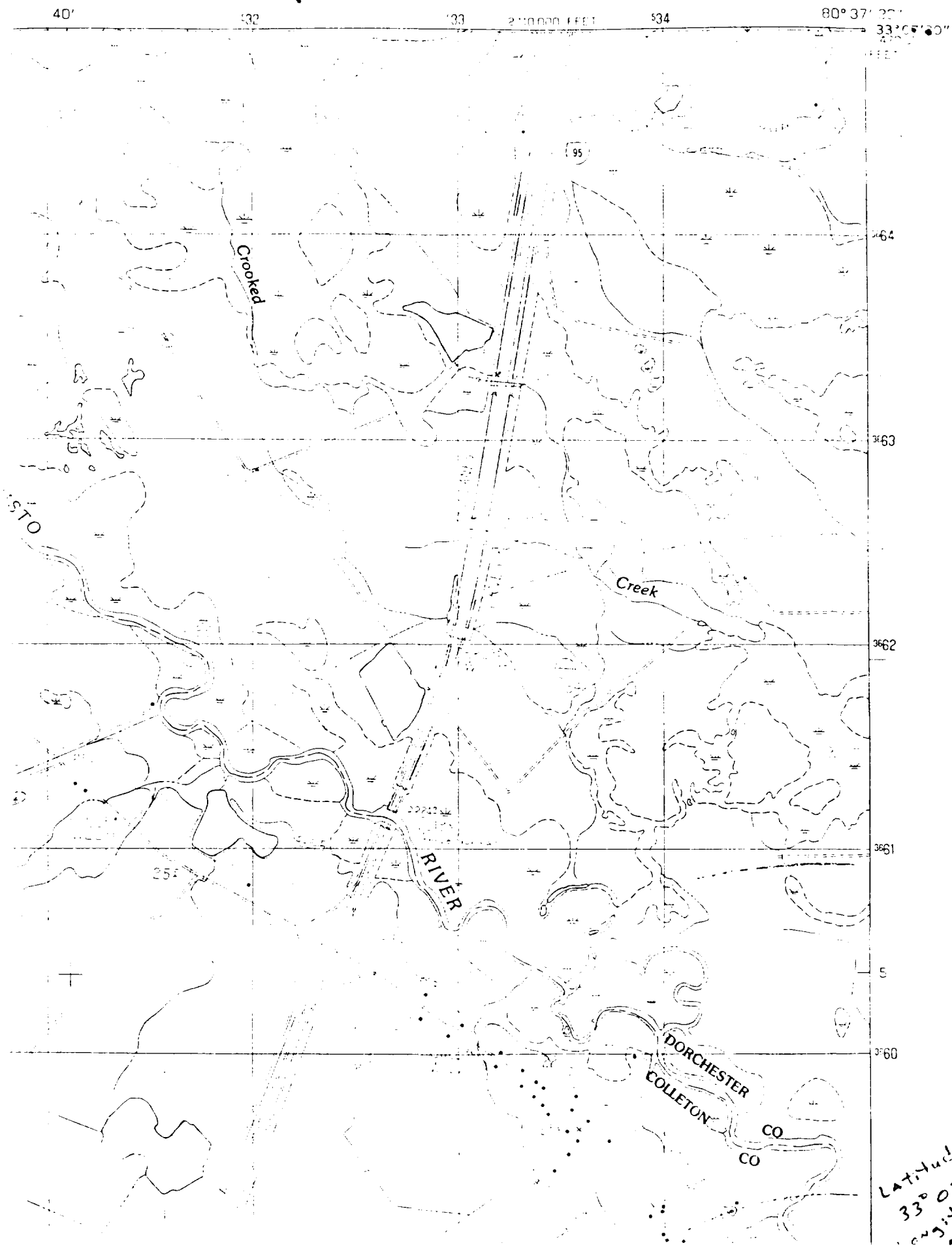


CANADY'S ABANDONED DRUM SITE

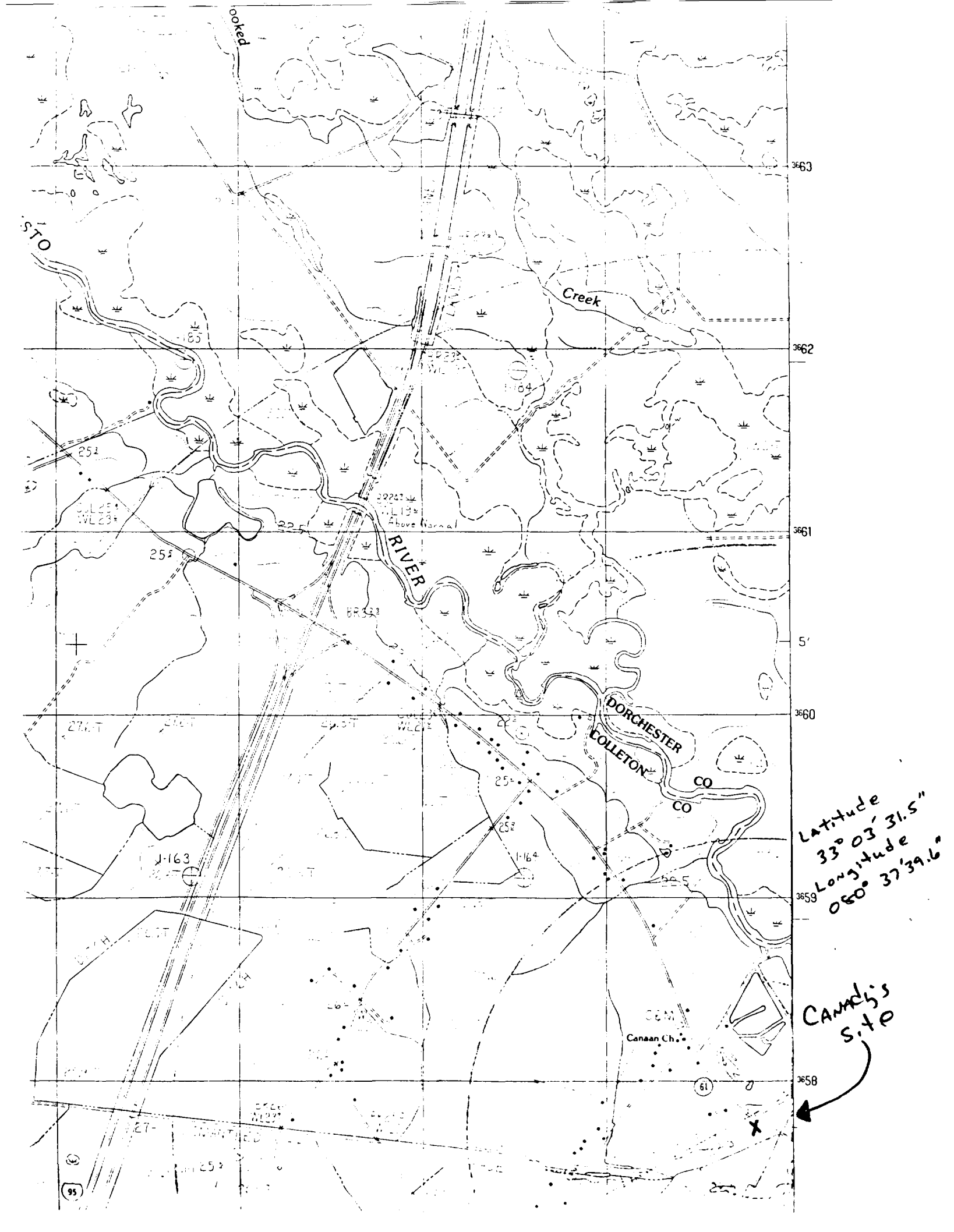
WCMJE
7/15/84

Quad reference →

ST. GEORGE SW QUADRANGLE
SOUTH CAROLINA
7.5 MINUTE SERIES (TOPOGRAPHIC)



Latitude 33° 03' 31.5"
Longitude 37'39.2


ooked
STO
Creek
RIVER
Above Normal
DORCHESTER
COLLETON
CO
CO
Canaan Ch.
3663
3662
3661
3660
3659
3658
Latitude
33° 03' 31.5"
Longitude
080° 37'39.6"
CANNON'S
S.TE
X